

# DRUG & CHEMICAL MARKETS

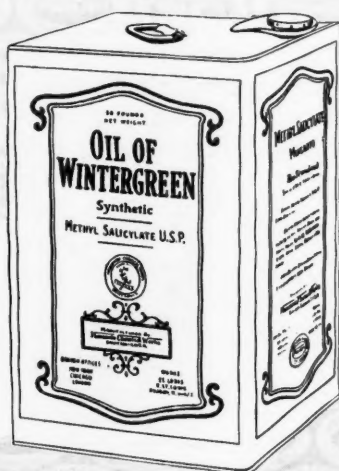
Established 1914

A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

VOL. XVIII

NEW YORK, FEBRUARY 4, 1926

No 5



*Classification of a product  
as standard is a reward  
of merit.*



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**DRUG & CHEMICAL MARKETS**

(Title and style registered U. S. Patent Office)

PUBLISHED EVERY THURSDAY

AT 25 SPRUCE STREET, NEW YORK CITY

BY DRUG &amp; CHEMICAL MARKETS, INC.

WILLIAMS HAYNES, PRESIDENT AND PUBLISHER

F. F. BURGIN, SECRETARY D. O. HAYNES, JR., TREASURER

TELEPHONE, BEEKMAN 6677

CABLE, CHEMMARKET

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES: United States, Cuba and Mexico, \$4.00 a year; Foreign \$5.00 a year, in advance. Current copies, 15 cents. Back copies 25 cents. A Binder for this paper @ \$1.00 Postpaid.

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# DRUG & CHEMICAL MARKETS

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NEW YORK, FEBRUARY 4, 1926

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## The Public Be Told

**M**UCH progress has been made during the past decade, but Americans are still vastly ignorant and, as a logical result, quite apathetic on the importance of chemicals. And it is curious that the chemist, who is popularly presupposed to be lacking even a vestige of the commercial instinct, is actively interested in educating the public in chemical matters, while our alert and far-sighted industrial executives are indifferent to this work.

**T**ODAY we wage war with chemicals. Chemicals are usurping the age-old place of roots, barks, gums, and other botanicals in our medicines. We have chemical colors, chemical silk, chemical leather, chemical varnishes, chemical fertilizers, chemical this and chemical that replacing the products of field, mine, and forest. In our shops and factories we dye, tan, weld, cure, flavor, freeze, and carry on all sorts of fabricating processes by means of chemicals. In chemicals we surely find the permanent solution of the problem of such natural monopolies as have been built up in rubber, nitrates, and camphor; and chemicals will solve for our descendants the problems of failing supplies of coal, wood, and petroleum. There is no industry today that could operate a single day without chemicals, for chemicals enter into every material part of our modern civilization. It is estimated that each one of us actually consumes in a year six times the quantity of raw materials—wheat, wool,

sugar, iron, tin, rubber, wood, linen, cotton, leather, etc.—as did the man of Queen Elizabeth's time; and our necessities, our pleasures, our luxuries are only made possible by chemical means. In truth, chemicals are the master-materials of industry.

**N**OW all of these facts, familiar enough to us, are all but unknown and wholly unappreciated by the man on the street. They can be woven into stories of such fascinating and compelling interest that beside them the fairy stories of the nursery seem dull and colorless. They are, moreover, true stories that deal with such human material as hunger, health, pleasure, pain, death itself. Slosson, Free, Herty, Hendricks, Howe and others have shown how eagerly the public grasps at chemical facts presented in a way they can easily comprehend.

**J**UST why the American Chemical Society and the Chemical Foundation should appreciate better than the Manufacturing Chemists' Association or the Chlorine Institute, for example, the importance to chemistry and to the chemical industry of a more complete and sympathetic public comprehension of chemical problems and chemical opportunities is not apparent. There is need for chemical propaganda, and it is as unwise as it is unfair that the science, which profits least and only indirectly, should be almost unsupported by the industry, do this valuable work, and also bear its expenses.



### A JAPANESE ROMANCE

A recent despatch from Washington to the effect that Japanese interests were attempting to gain monopolistic control of the American peppermint oil industry, was received in the local trade as one of the humorous spots in the week's news. That such an attempt would be made by the Japanese, or that it could be consummated if made, seems ludicrous. Yet the actual details are said to be known to a few consumers. They are said to include the flooding of this market with Japanese oil. That in itself is impossible under existing regulations, if the product is to be sold as peppermint oil. If the Japanese oil could be blended with the American oil and sold as a blend to take advantage of the existing high prices of American oil, it would afford the Japanese interests a splendid outlet for their oil and menthol, which have declined in price more than fifty per cent during the last few months. And it has been openly stated that some of the American sellers of oil have been heavy buyers of Japanese oil and menthol recently, although they are not sellers.

It might have proved a profitable venture for the Japanese interests, had they succeeded in such an attempt four or five months ago, but there are several things against its success now. In the first place, the new crops in both American and Japanese oils are drawing nearer day by day, and while it will be a few months before they have any direct bearing on the market, it is not likely that the present conditions in either market will remain as they now are for very long. Then, will the American growers be willing to submit to foreign monopoly of their market? Not knowingly, at any rate. While such an idea, may actually have been discussed by Japanese interests, it seems highly improbable that it could have been seriously considered, or that it could ever be consummated if seriously considered.

### HAS EXPANSION RECEIVED A CHECK?

Either the manufacturing companies of the United States are in an extremely favorable cash position or expansion in those lines has received a check, if the reports of the Federal Reserve banks are a true reflection of business conditions. Loans and discounts at the beginning of the year showed a decline, borrowings having decreased in the first week by nearly \$150,000,000. Expansion was evident all through the year 1925, and reached the highest level in December.

Many facts enter into the change in the situation and make it difficult to decide what is the controlling cause. Corporations made large disbursements at the end of the year and supplied funds in dividends that otherwise would have been borrowed from the banks. Money was easier in January. Loans on Government securities increased heavily in the New York district and in Cleveland, indicating that borrowers avoided asking their banks though rates were not high except for call loans. The decline in the bank loans was particularly

noticeable in New York, and affected loans on securities.

Bankers insist that business is sound and the outlook good in all sections of the country. The lack of borrowing for expansion is not considered unfavorable, as it probably means caution, the antithesis of inflation.

With the increase in industrial activity the number of employees in factories and mills is increasing, and with greater use of machinery and with mass production the number of accidents increases. Owing to the fact that a large percentage of the workers are illiterate, education in safety methods is essential, especially among new employees, who, according to the National Safety Council, are from two to five times as likely to be accidentally injured as the employee of longer service.

Whether to fix resale prices or let competition settle the question was debated by manufacturers, wholesalers, heads of department stores and representatives of trade associations in response to a request from the United States Chamber of Commerce in a referendum sent to the Merchants Association of New York. The Association went on record as favoring the fixing of resale prices on identified merchandise which is sold under competitive conditions, bearing a trade mark, brand or other mark.

A recent interpretation of a Spanish law promulgated in 1902, renders it illegal to retail a patented article at a price below a minimum price established by the manufacturer. Evidently Spanish industry requires a different kind of protection from that required in this country.

## Ten Years Ago

(From "Drug & Chemical Markets," Feb. 2, 1916)

Meetings of the stockholders of the United Drug Company of New York and the Riker & Hegeman Company to consummate the merger of those two concerns have been officially called for February 4, in New York City.

Exports of chemicals from the United States show a tremendous increase in 1915 when compared with 1913.

Henry Howard, vice-president of the Merrimac Chemical Company, of Boston, in an address before the third National Foreign Trade Convention, said, "Many textile mills have been obliged to curtail their production at a time when, if we had been independent of other countries with a dye industry well established, these same mills could have been running night and day."

Stanley Jordan & Company, Inc., 166 Broad street, New York, have been granted a permit by the British Foreign Office allowing the unmolested shipment from Rotterdam of five tons of sage leaves, valued at \$555.

The report of the General Chemical Company for the year ended December 31, 1915 shows net profits of \$6,153,796, against \$2,947,897 for the previous year.

Reports submitted to stockholders of Parke, Davis & Company, at the annual meeting last Tuesday, indicate that the gross sales of 1915 attained a volume of almost \$9,000,000 greater than 1914.

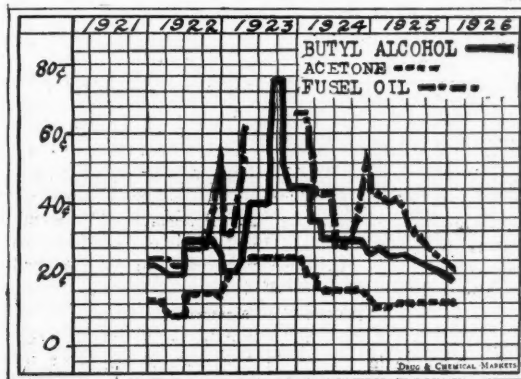
# Leader Among the New Solvents

*The American Fermentation and the German Synthetic Processes of Making Butyl Alcohol Analyzed With a View to the Possibilities of the German Processes Being Introduced in This Country*

**D**URING the World War when the American and British Governments required C. P. acetone of the highest possible quality for use in the manufacture of certain explosives, a fermentation process was developed which yielded such an acetone together with normal butyl alcohol and ethyl alcohol. Normal butyl alcohol at that time had very little commercial value but has since assumed a most important place among industrial chemical products. This method of manufacture known as the Ch. Weizmann process, is in operation in this country and France. Normal butyl alcohol is also being made in Germany by the synthesis of carbide and by the recovery from the synthesis of methyl alcohol.

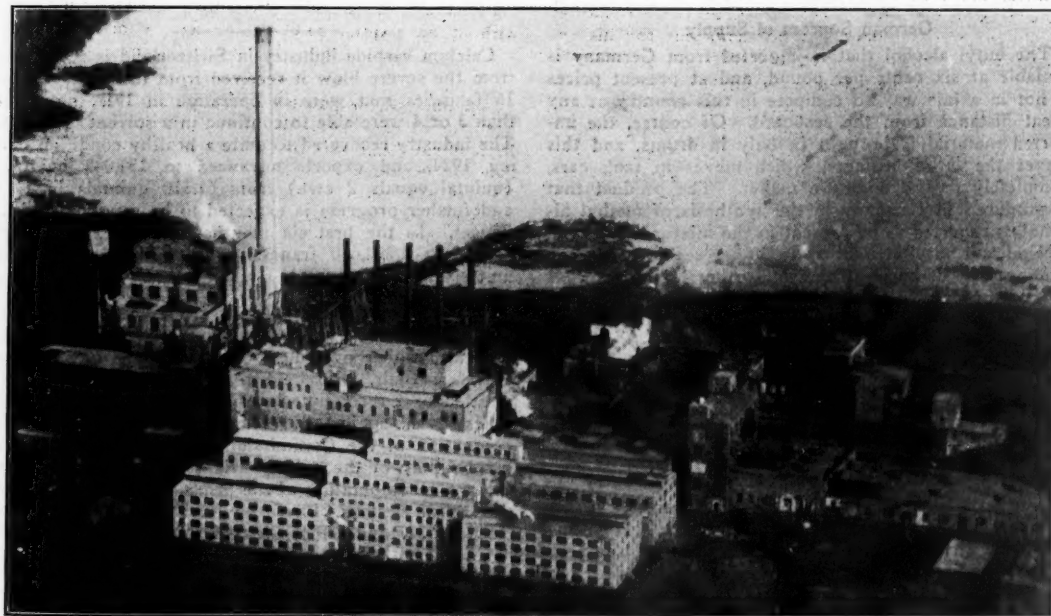
## Why Lacquer Industry Expanded

The rapid growth of the nitro-cellulose lacquer industry in this country is due to two important discoveries, one of which was the discovery of butyl alcohol as the needed high boiling solvent, and the other the discovery of a low viscosity nitro-cellulose. Without either of these products the lacquer industry would have continued in the stunted state that it occupied since its inception some twenty years ago. Up to the time of the discovery of butyl alcohol, fusel oil was the only available high boiling solvent. The technical ob-



jections to fusel oil were that it had too wide a boiling range, and was not a uniform product, consisting of varying amounts of propyl, isobutyl and isoamyl alcohols. Another important objection to fusel oil was the fact that it is produced as a by-product of the fermentation of ethyl alcohol, and cannot economically be produced as a major product. Thus its output is limited and is not in accordance with the demand.

With the recognition of butyl alcohol as the desirable solvent, and an unlimited production assured, the lacquer industry immediately expanded in very great proportions. The demands being made upon butyl alcohol manufacturers have expanded with the industry and a survey as to the present situation of the production of butyl alcohol is timely. At present there are two plants in operation in this country. One of these is the original plant used during the war at Terre Haute, Ind., while the other is a modern, especially designed plant located at Peoria, Ill. The plant at Peoria was



View of Plant of Commercial Solvents Co., at Peoria, Ill.

doubled in production capacity during 1925 following a very heavy demand that the manufacturer was taxed to capacity to satisfy.

#### Price Basis of Domestic Product

The present position of the fermentation industry is very satisfactory. The selling price of butyl alcohol is fundamentally based on corn, but is subject to revision monthly determined by the previous month's official price quoted on the Chicago Board of Trade. However, it is sometimes possible to reduce prices owing to advantageous purchases of raw materials. For some months past, the price of butyl alcohol has declined steadily due to falling corn markets, and has reached the lowest price ever recorded.

#### Market for Acetone

As the output of butyl alcohol increases, the production of acetone increases. Acetone was being produced in greater amounts than there was a demand for during 1924. Reductions in prices resulting in increased consumption and abandonment of production by producers from acetate of lime corrected the situation and now the market is in a firm condition and has advanced from its lowest point. Exports to other countries have increased and today this country is the principal world factor in acetone. A considerable portion of the acetone that is produced finds a ready market in the same industry into which butyl alcohol moves. This means that as butyl alcohol consumption increases, acetone consumption also increases, although not in the same proportions. Very large amounts of acetone are consumed in the artificial silk industry throughout the world, and as this industry is expanding, it does not appear likely that any overproduction of acetone will result that cannot be relieved by a slight price revision.

As to other sources of acetone being utilized and making downward price revisions necessary on the part of the butyl alcohol producers, in order to dispose of their by-products, this seems very improbable. A very large artificial silk maker produces as a by-product a certain amount of acetone at a cost less than present market prices, but the production is not sufficient for his requirements as he buys large quantities on the market.

#### German Sources of Supply

The butyl alcohol that is imported from Germany is dutiable at six cents per pound, and at present prices is not in a fair way to compete in this country at any great distance from the seaboard. Of course, the imported material is brought in only in drums, and this leaves the large business, which moves in tank cars, completely to the domestic maker. The product that is produced in Germany in the synthesis of methyl alcohol, is reported to be present in the mixture of methyl alcohol and butyl alcohol up to 30 per cent of the total. The amount of butyl alcohol and other higher alcohols that are produced in this synthesis is greater, if the speed with which the gases are passed over the catalyst falls below a certain minimum figure. The other material produced in Germany is derived from calcium carbide, a major product, which can be produced in unlimited quantities and converted into acetylene, and, by synthesis, into butyl alcohol, whenever the price of the raw material (calcium carbide) is cheap enough.

#### Possibilities of Other Sources in This Country

The possibility of either of these processes being introduced in this country is rather remote. It seems, however, that the recovery from methanol synthesis will be the first to appear in any event since research is being carried on by American manufacturers for utilization of this process under the patents seized during the war. As to the possibilities of the introduction of

synthesis from acetylene being introduced in this country, this does not at all appear probable at the present time. Such a process has been perfected and is patented by an American manufacturer of carbide, but no further steps towards its utilization have been taken and none are contemplated with the market situation as it now exists.

Intensive research is being conducted by the fermentation producer, with a view to improving the process and utilizing waste products, thereby effecting greater economies in production costs and also to increase the uses of both butyl alcohol and acetone as it is desirable to have the consumption of these products diversified. Many uses other than the lacquer and nitro-cellulose plastic industries are at present being developed and others are contemplated.

#### BRITISH MAKE NEW DENATURING RULES

The new British regulations for denaturing alcohol, effective Feb. 1, prescribed that the substances and combinations of substances to be used in making these different kinds of denatured alcohol, and the proportions in which such substances and combinations of substances shall respectively be used, shall be as follows:

In the case of industrial methylated spirits, to every 95 parts by volume of spirits, five parts by volume of wood naphtha.

In the case of industrial methylated spirits (pyridinized), to every 95 parts by volume of spirits five parts by volume of wood naphtha, and also one-half of one part of crude pyridine to every one hundred parts of the volume of the mixture.

In the case of mineralized methylated spirits, to every 90 parts by volume of spirits 9½ parts by volume of wood naphtha and one-half of one part of crude pyridine, and to every 100 gallons of the mixture three-eighths of one gallon of mineral naphtha or petroleum oil and not less than one-fortieth of an ounce by weight of powdered aniline dye (methyl violet).

Essential oil or other flavoring matter must not, without the express sanction of the Commissioners, be added to or mixed with methylated spirits.

Calcium carbide industry in Switzerland is recovering from the severe blow it received from the war. Of the 16 factories that were in operation in 1917, not more than 3 or 4 were able to continue in a solvent condition. The industry recovered to quite a healthy condition during 1924, and exports advanced to 151,048 quintals, (quintal equals 2 cwt.) from 61,310 quintals in 1923, and further progress is expected to be revealed in 1925 figures. In the first six months of 1925 exports were valued at 1,390,600 francs, against 100,000 francs for first six months of 1924.

Viscosa Co., manufacturer of rayon, has won its suit for an income tax refund before the Board of Tax Appeals, which overruled Commissioner of Internal Revenue Blair, who held that the company was not entitled to a recomputation of the heavy excess profits taxes levied against it. The Board also overruled the contention of the Commissioner that the company has a monopoly of the rayon business, and ordered him to make a recomputation of the firm's taxes under the provisions of Section 210 of the Revenue act of 1917 and Sections 327 and 328 of the Revenue act of 1918.

James Monroe Pouder, for the last ten years special representative at Baltimore, Md., of E. I. du Pont de Nemours & Co., died at the home of his sister in January. He is survived by his wife and a son.



# CHEMICAL EMPLOYMENT SHOWS INCREASE

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Feb. 3.—December employment figures in the chemical industry have just been made public by the Bureau of Labor Statistics, Department of Labor. Reports were received by the bureau from 98 chemical plants which gave November employment as 24,222, increasing in December to 24,300. The payrolls in these plants also increased from \$619,460 in November to \$627,655 in December, an advance of 1.3 per cent.

The bureau also received replies from 92 chemical plants which reported employment in December, 1924, as 21,995, increasing in the same month of last year to 22,874, an advance of 4 per cent. The payrolls in these plants also increased from \$559,705 in December, 1924, to \$594,094 in December, 1925, equal to 6.1 per cent.

## SALESMEN FROLIC IN VILLAGE

The regular monthly meeting of the Salesmen's Association of the Chemical Industry was held at the Joan of Arc Inn, Greenwich Village, New York, on Feb. 2. The evening was given over entirely to eating and entertainment, the only business transacted being an unanimous vote of thanks to the committee in charge, Ira P. MacNair, and Harrison F. Wilnot. The entertainment consisted of music and dancing by four performers. The evening was generally declared a huge success.

The Rubber Exchange of New York, Inc., with almost a full membership of 250 as allowed by the by-laws, will open for business during February at 31 South William St., New York. F. R. Henderson, president, says that to date 220 applications have been accepted, amongst which are a large number of foreign interests as well as numerous members of the New York Stock and Cotton exchanges.

The Northern New Jersey Chemical Society installed the following officers at a meeting in Newark recently: President, Dr. David Wesson; vice-president, Dr. Herbert B. Baldwin; treasurer, Allan R. Cullimore; secretary, Dr. Frederick W. Zone. Manufacturers who attended the meeting, described the processes involved in making various products.

U. S. Industrial Alcohol Co., has reduced the price of alcohol, denatured formula No. 5 to a basis of 40c gal. in carlots of drums, with other quantities reduced proportionally. This is a reduction of 13½c gal. from their former schedule price.

The address of Major Reasoner, of the Medical Corps, U. S. Army, on "Some Insects and Their Relation to Man," delivered at the annual meeting of the Insecticide and Disinfectant Manufacturers' Association, has been printed for distribution to members.

Manufactured gas sales in United States during 1925 amounted to 421,000,000,000 cubic feet, a new high record, according to the American Gas Ass'n. This is an increase of 16,000,000,000 cubic feet over 1924 and a five year increase of 100,000,000,000 cubic feet.

Baking powder exports from United States have increased over 40 per cent since 1913 according to Department of Commerce. Exports in 1925 totalled 4,000,000 lbs., an increase of 1922-24 of 150,000 lbs.

Pennsylvania Salt Mfg. Co., Philadelphia, has been awarded a Government contract for one tank car of acid at 52c lb.

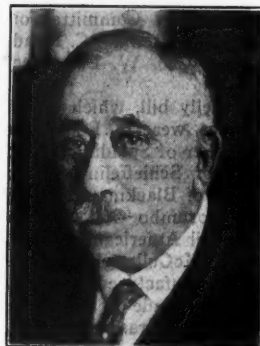
Richards & Co. have been awarded a government contract for 15,000 lbs. antimony at \$3,367.50.

## DR. NICHOLS GUEST OF HONOR AT CHEMISTS' CLUB ANNUAL DINNER

First Annual Dinner Well Attended—J. F. Norris and Frank Bailey Laud Work of Dr. Nichols—M. T. Bogert Toastmaster—Dr. Nichols Points Out Chemists' Place in History of Future

The first annual dinner of the Chemists' Club, New York, given in honor of Dr. William Henry Nichols, Chairman of the Board of Allied Chemical and Dye Corp., at the club rooms,

on Jan. 27, was attended by approximately one hundred members. K. G. Mackenzie, president of the club, and consulting chemist for The Texas Co., introduced Prof. Marston T. Bogert, professor of Organic Chemistry at Columbia University, and past president of the club, who acted as toastmaster for the evening. The speakers of the evening were J. F. Norris, president of the American Chemical Society, Frank Bailey, prominent Brooklyn financier and personal friend of Dr. Nichols, and Dr. Nichols himself.



Dr. W. H. Nichols

Dr. Norris outlined the industrial history of Dr. Nichols, from the time when, as a young man, he started out in the manufacture of sulfuric acid and, contrary to the practice of the day, labeled his product correctly instead of calling it 66°, regardless of the test, up through his adoption of Herreshoff's pyrites burner, the making and development of a market for the resulting copper matte by the development of electrolytic copper and the improvement and commercial development of the contact process of producing sulfuric acid. He showed how Dr. Nichols met his obstacles and turned them into stepping stones for the further advancement of commercial chemistry. Regarding the personality of Dr. Nichols, he said in part, "I have studied the achievements of our honored guest and have read much of his written works, and I have seen through it all the expression of a character rich in the highest human qualities. I confess, however, I cannot analyze his genius for organization and it is this genius that sets him apart from the rest and gives him the commanding position which he will always hold when the history of chemical industry is written."

Mr. Bailey took up more of the personal side of Dr. Nichols, delineating him as a sentimentalist, a believer in youth, and a man full of confidence in the future. He showed how Dr. Nichols was a large supporter or schools, how he was always willing to help a young man get a good start and his supreme ability to look always ahead and forget the past.

In acknowledging the honors paid him, Dr. Nichols made a few humorous references to the plaudits that had been issued, then swung into a few serious remarks. He referred again to his confidence in the future and his lack of interest in the past. "What I am interested in in chemistry is the future of it. What is past is past. . . What I am interested in is what we are going to do," he said in this respect. He did recall, however, that he was one of the two living members of the thirty present when the club was first formed, and of his doubt, expressed at that time, as to the possibility of obtaining a hundred more members in the territory covered by the club.

## RESALE PRICE BILLS DIVIDE MERCHANTS

**New York Association Finally Favors Legislation Permitting the Fixing of Resale Prices—Dr. William Jay Schieffelin Speaks in Favor of Price Maintenance**

The Kelly bill and other price maintenance measures and a referendum sent out by the U. S. Chamber of Commerce were discussed at a meeting held at the rooms of the New York Merchants' Association last week, and the preponderance of opinion favored voting affirmatively on the proposed legislation to allow manufacturers to fix resale prices. The Association's Committee on Commercial Law decided the question later. S. C. Mead, Sydney Blumenthal Archibald and Geo. W. Lawrence, are the committee.

The speakers in favor of the Kelly bill, which would legalize the control of resale prices, were H. Boardman Spalding, vice-president and treasurer of Spalding Bros.; W. J. Schieffelin, Jr., president of Schieffelin & Co.; J. Newcombe Blackman, president of Blackman Talking Machine Co.; A. L. Gifford, of Worumbo Co.; Morgan Parker, of the Wholesale and Retail American Surgical Association; B. G. Pratt, John McCullough, of the National Association of Hosiery Manufacturers; Charles H. Ingersoll, of the American Fair Trade League, and Leo E. Levy, vice-president of Model Brassiere Co.

Those opposed to the proposed price control legislation were Lewis Hahn, executive secretary of the National Retail Dry Goods Association; O. W. Knauth, of R. H. Macy & Co., and Percy Straus, of R. H. Macy & Co. There were more than forty persons present at the meeting.

Mr. Schieffelin, in an appeal for favorable consideration of the legislation, quoted part of a recent statement by S. J. Bloomingdale, local department store head. This statement reads as follows:

"The important benefit to the public from price legislation, and one which cannot be overlooked and which outweighs all fears, is the fact that it will eliminate a fraud now being foisted upon the public by unfair price cutting, and the use of it as a bait."

Mr. Schieffelin said: "It must be made clear that nothing mandatory is involved by the terms of the Kelly bill. No matter what legislation is enacted the economic rule will prevail in so far as prices are concerned." When Mr. Schieffelin took the floor a second time he made an apparent effort to refute Mr. Hahn's statement in regard to the stand retail department stores had taken in the matter. Mr. Schieffelin said that a poll recently taken by the Brooklyn Chamber of Commerce revealed that more than half the Brooklyn department stores were in favor of legislation such as the Kelly bill.

The meeting was attended by manufacturers, wholesalers, retailers and representatives of trade associations.

Discovery of an india-rubber substitute will be rewarded by a prize of £10,000 offered by the Soviet Government, according to the "Chemical Trade Journal" of London, and a second prize of £5,000 is also offered. Conditions require that the substitute shall have none of the original ingredients of real rubber, yet possess all the merits and qualities of vulcanized rubber. The component materials must be found within the Soviet Union, and experiments must be carried on in Russia. Competition is open only to Russian citizens.

Requirement that shipments of rosin in carloads be packed in barrels has not been shown to have been unreasonable or otherwise unlawful, according to the Interstate Commerce Commission, rendering a decision in the case of the Vera Chemical Company of Canada, Ltd., against the Alabama Central Railroad Company.

## WHO'S WHO — in the Chemical Industry

**W. Hepburn Chamberlain**, Sales Dept., Hooker Electrochemical Co., New York. Born: Clarinda, Ia., Sept. 3, 1891. Educat.: Yale, Ph. B., 1914. Business: General Chemical Co., 1914-19; Hooker Electrochemical Co., 1919 to date. Member: Amer. Chemical Assn., Drug & Chemical Club, Salesmen's Assn., University Club, Yale, Phi Gamma Delta.

**Ernest V. Gent**, broker and commission agent, New York. Born: London, England, Dec. 2, 1884. Mar.: Frances McDermott, May 16, 1917. Business: C. Tennant Sons & Co., New York, 1907-12; Hooker Electrochemical Co., New York, 1912-15; Bush Beach & Gent, Inc., New York, 1915-24. Manager, Zinc Export Assn., New York. Member: Drug & Chemical Club. Hobby: Golf.

**Ossian L. Cook**, chemical engineer, Lehigh Lime Co., Chicago, Ill. Born: Oshkosh, Wis., Mar. 9, 1894. Mar. Florence Kost, Chicago. Educat.: St. John's College, 1913. Business: Factory mgr., American Linen Co., to 1921. Served in U. S. Army, 1917-21, as capt., Ordnance Dept. Member: Technical Assn. Pulp & Paper Industry, (member of Materials Testing Comm.). Hobby: Photography.

**Casper Smith**, pres. & gen'l. mgr., Smith Chemical & Color Co., New York. Born: Yonkers, N. Y., Jan. 4, 1890. Mar.: Ruth Janon, Brooklyn, N. Y., Sept. 7, 1924. Educat.: High school, Washington, D. C., 2 yrs. chemistry, Platt Institute, B'klyn., N. Y. Business: Katzenbach & Bullock Co., (director of sales), 1911-17; Smith Chem. & Color Co., (pres. & gen'l. mgr.), 1918-25. Member: Amer. Chem. Society, Nat'l. Paint, Oil & Varnish Assn., Drug & Chemical Club (N. Y.), Elks Club (B'klyn.). Hobbies: Traveling, tennis and swimming.

**Roylance Harvey Wisdom**, secy. & chemical engineer, Stamford Dyewood Co., Stamford, Conn. Born.: Chicago, Feb. 21, 1880. Mar.: Lorna Adail Taff, Stamford, Conn., June 14, 1905. Educat.: 3 yrs., Englewood H. S., Chicago. Business: Stamford Mfg. Co., (asst: chemist), 1898-1911; Stamford Ext. Mfg. Co., (chief chemist and chemical engineer), 1911-19; consulting chemist and chemical engineer, 1919-20; Stamford Dyewood Co., (secy. and chemical engineer), 1920 to date. Member: Amer. Leather Chemists' Assn., Amer. Inst. Chemical Engineers, Amer. Chemical Society, Chemists' Club, Suburban Club, Stamford Yacht Club. Hobbies: Bridge and bowling.

**Henry Howard**, in charge research and development work, Grasselli Chemical Co., Cleveland O. Born: Jamaica Plain, Mass., July 5, 1868. Mar.: Alice Sturtevant, Newport, R. I., Sept. 5, 1896. Educat.: Boston Latin School, Mass. Inst. of Technology, 1889. Business: Merrimac Chem. Co. (chemist, 1889; supt., 1896; v. pres., 1902-20); Grasselli Chem. Co., 1920 to date. During the War, organized and directed that department of the U. S. Shippg. Bd. which trained men for service in Amer. Merchant Marine. Member: Amer. Chem. Soc., Amer. Electrochem. Soc., Soc. Chem. Industry, Natl. Industrial Conference Board, Natl. Foreign Trade Council, Union Club, Country Club (Cleveland), Union (Boston), India House (N. Y.), N. Y. Yacht, Royal Yacht (San Sebastian, Spain).



# The Industry's Finances

## Du PONT CO. EARNED 14.97 ON COMMON

Consolidated Net Income for 1925 Totaled \$24,033,957  
—Net Income After Payment of Debenture Stock  
Dividend is Equivalent to \$14.98 Per Share on Com-  
mon Stock—Sources of Income

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling).....	4.866	4.86
France (franc) .....	.193	.037
Italy (lira) .....	.193	.040..
Belgium (franc) .....	.198	.045
Czechoslovakia (crown) per hundred .....	20.30	2.96
Denmark (krone) .....	.268	.247
Germany (mark) .....	.238	.238
Norway (krone) .....	.258	.203
Holland (florin) .....	.402	.400
Poland (zloty) .....	.193	.140
Spain (peseta) .....	.193	.141
Sweden (krone) .....	.268	.267
Switzerland (franc) .....	.193	.192
Argentina (peso) .....	.424	.413
Brazil (milreis) .....	.324	.147
Japan (yen) .....	.499	.448
India (rupee) .....	.485	.368
China (silver dollar, Hongkong) .....	.789	.585
(Tael—Peking, silver) .....	1.146	.782
(Tael—Shanghai, silver) .....	1.986	.742

E. I. du Pont de Nemours & Co.'s annual report to stockholders shows \$24,033,957 consolidated net income for the year, which, after providing for interest on funded debt, equals 5.85 times the debenture stock dividends for the year and, after allowing for dividend on debenture stock, the remaining net income of \$19,928,626 is equivalent to \$14.97 per share upon the common stock outstanding at the end of the year.

Cash dividends paid on the common stock were at the rate of 10% for the first two quarters; a 40% common stock dividend, payable in common stock, was declared in August, and cash dividends at the rate of 8% were paid during the last two quarters, together with an extra cash dividend of 1% in the third quarter. Total cash dividends paid during the year amounted to \$11,404,429, which was equivalent to \$12 on the common stock outstanding at the beginning of the year, or \$8.57 per share on the stock outstanding at the end of the year. In addition there was declared an extra dividend of \$5 a share payable Jan. 8 to stockholders of record Dec. 1. This corresponds to an extra dividend of \$5 a share received Jan. 7, 1926, on the company's holdings of General Motors Corp. common stock.

Total current assets at Dec. 31, amounted to \$55,146,647, which included \$15,249,041 cash; whereas, total current liabilities amounted to \$7,922,739, or a ratio of approximately 7 to 1. Total investments of the company, which represent its holdings of General Motors stock, securities of controlled companies not consolidated, and miscellaneous securities, are carried at an aggregate of \$149,600,000. Total gross assets of the company amount to \$305,730,845.

Du Pont Company's direct holdings in General Motors Corp. common stock, together with its equity in holdings of General Motors Securities Company, constitute about 25.8% of the entire common stock of General Motors Corp. These holdings aggregate 1,330,829 shares, which is equal to the number of shares of common stock of Du Pont Co. outstanding.

Sales of new products added materially to the year's

success and there was increased demand for the old lines. Despite the strike in the anthracite region and earlier depression in the bituminous coal fields, the sales of commercial explosives showed an increase over the previous year. There were new outlets for an increasing amount of coated textiles, such as Fabrikoid and Rubber-coated goods; the sale of dyestuffs showed an increase; and the pyralin department, now merged with the Viscoloid Company to form Du Pont Viscoloid Co., enjoyed a good business year. There was a very large increase in the sale of Duco, the new pyroxylin finish for automobiles, furniture and other articles.

The demand for rayon was so great that it has been necessary to enlarge the manufacturing plants. The original plant was at Buffalo, N. Y.

Announcement is made that the du Pont Company has joined with another American explosives company in organizing the Cia Mexicana de Explosivos, which has acquired the only commercial explosives plant in Mexico.

## Securities Quotations

Closing Prices For Week Ending Jan. 30, 1926

	Bid	Asked		Bid	Asked
*Air Reduction .....	109 1/4	110 1/4	Hercules Powder .....	146	—
*Allied Chem & D .....	116	116 1/4	Hercules Powd. pf .....	110 1/4	112 1/4
*Allied C & D pf .....	120 3/4	120 1/4	Heyden Chem .....	2 1/4	—
*Am Ag Ch .....	31 1/2	32	Hooker Electro .....	25	30
*Am Ag Ch pf .....	90	91 1/4	Hooker Electro, pf .....	70	75
*Am Chicle .....	46 1/4	48 1/4	*Household Prod .....	45 1/4	45 1/4
*Am Chicle pf .....	90	92 1/4	*Int Agricult .....	24 1/4	25 1/4
Am Cyan .....	190	200	*Int Agricult pf .....	93	93 1/4
*Am Cyan pf .....	88	92	*Int Nickel .....	42 1/4	42 1/4
*Am Druggists S .....	5	5 1/4	*Int Nickel pf .....	101	—
*Am Glue .....	47	50	*Int Salt .....	88	90
*Am, Glue pf .....	108	109	Lehn & Fink Prod Co .....	38	38 1/4
*Am Linseed .....	48 1/4	48 1/4	*Mathieson Alk .....	96	96 1/4
*Am Linseed pf .....	84	85	*Mathieson Alk pf .....	100	—
*Am Metal .....	54	54 1/4	Mac And & Forbes new .....	46	49
*Am Metal pf .....	115	—	Mac And & Forbes pf .....	100	103
*Am Zinc .....	8 1/4	10	Merck & Co .....	56	58
*Am Zinc pf .....	38	40	Merrimac .....	84	86
*Archer Dan Mid .....	41 1/4	42 1/4	Murford Co. .....	30	33
*Archer Dan Mid pf .....	102	105	*National Lead .....	167	168
*Atlas Powder .....	56 1/4	58	*National Lead pf .....	118	117
*Atlas Powder pf .....	93 1/4	95 1/4	Nlag, A., pf .....	80	85
By Prod Co. .....	46	49	N. J. Zinc .....	203	206
By Prod Co. pf .....	102	105	Parke, Davis & Co. ....	114	—
Canad Ind., Al .....	16 1/4	—	Penn Salt .....	71	—
Canad Salt .....	105	115	*Peoples Gas Chl .....	120 1/4	121 1/4
Casolin Co. ....	160	170	Procter & Gamble .....	147	151
Celluloid Co. ....	20 1/4	22	Procter & Gam, pf .....	188	188 1/4
Celluloid Co pf .....	73	77	Royal Bkg Powd. ....	185	195
*Certain-teed Prod .....	47	47 1/4	Royal Bkg Powd pf .....	101 1/4	103
Charecol Iron .....	10	20	Shawinigan .....	170	—
Ches. Mfg. Co. ....	68 1/4	69	Shawin-Wil 1st pf .....	106	110
Ches. Mfg. pf .....	113	—	Silica Gel .....	20	—
Clark Co., Fred .....	2 1/4	4	*Sterling Prod .....	82 1/4	83 1/4
Cleve Cliff Iron .....	70	75	Swan & Finch .....	20	21
*Com Solv A .....	135 1/4	137	Swan & Finch pf .....	20	30
Do B .....	131 1/4	132	*Tenn O & Chem .....	14 1/4	14 1/4
*Corn Products .....	41 1/4	42	*Tex Gulf Sul .....	126	126 1/4
*Corn Products pf .....	122 1/4	123	Union Carbide .....	80 1/4	80
*Davison Chem .....	40 1/4	41	*Un Drug .....	158 1/4	160
*Davison Chem pf .....	37 1/4	38	*Un Drug 1st pf .....	56 1/4	56 1/4
Dow Ch., pf .....	88	102	*Un Dyewood .....	10	12
Dow Drug Co. ....	140	—	*Un Dyewood pf .....	59 1/4	59 1/4
Dow Drug Co., pf .....	105	108	Un Gas Imp .....	128	132 1/4
*Du Pont Deb .....	101 1/4	102	Un Gas Imp, pf .....	58 1/4	—
*Du Pont de Nem .....	228	229	U S Gypsum .....	154	155 1/4
*Eastman Kodak .....	110	111	U S Indus Al .....	65 1/4	66 1/4
*Eastman Kodak pf .....	113	—	*U S Indus Al pf .....	102	103
*Freeport Tex .....	25 1/4	25 1/4	Va Car Ch .....	1 1/4	1 1/4
*Gen Asphalt .....	68 1/4	68 1/4	Va Car Ch etfs .....	1 1/4	1 1/4
*Gen Asphalt pf .....	107	108 1/4	*Va Car Ch pf .....	8 1/4	10
*Gold Dust .....	47 1/4	47 1/4	*V Vivandon .....	28 1/4	29
Grasselli .....	125	130	Will & Baumer .....	16 1/4	—
Grasselli, pf .....	101	103			

\*Listed on New York Stock Exchange

\*Listed on New York Stock Exchange

### ATLAS POWDER CO MAKING RAYON

Atlas Powder Co. reports for the year ended Dec. 31, net income of \$2,130,534 after charges and Federal taxes, equivalent after preferred dividends to \$6.08 a share on the 261,438 no par common shares, compared with \$1,-609,048, or \$4.09 a share, in 1924.

President Webster says: "Napon Rayon Corp. has been adequately financed for plans now in hand and a substantial stock interest has been taken by important consumers of rayon who will bring to the corporation valuable knowledge of the textile industry and a ready market for the company's product. For the present Atlas Powder's interest in the Napon Rayon Corp. is being carried in the balance sheet at a nominal value."

He states further that company has recently increased the manufacturing facilities of its Stamford, Conn., plant where it produces leather cloth and a variety of lacquer finishes for automobiles, furniture and other manufactured products.

Over a third of Atlas' employees, President Webster states, are now stockholders in the company, most of these having bought shares on a monthly payment plan. Last year 462 employees out of a total of 2,047 subscribed in this manner.

### VICK CHEMICAL PAYS \$3.03

Vick Chemical Co. and subsidiaries report for the five months ended Dec. 31, net earnings of \$1,231,980 after \$175,997 for Federal taxes. This is equal to \$3.08 a share on the 400,000 shares of capital stock. The consolidated balance sheet shows current assets of \$2,685,971 and current liabilities of only \$210, leaving a net working capital of \$2,685,761. On Aug. 31, 1925, current assets were \$1,672,725, and liabilities \$49,915, making net working capital \$1,622,810.

Peoples Gas, Light & Coke Co., Chicago, is not contemplating the issue of additional stock at the present time. The request to the stockholders for increasing the authorized capital stock from \$50,000,000 to \$60,000,000 will be for the purpose of possible future needs.

H. K. Mulford Co. has declared a semi-annual dividend of \$1.50 a share, payable Feb. 15 to stock of record Dec. 31. This is an increase of 25 cents over the semi-annual dividend rate of 1925 when the company paid \$1.25.

Sterling Products, Inc., and subsidiaries report net profit for the year ended Dec. 31, 1925, of \$4,910,830, an equivalent of \$7.85 per share. This compares with \$4,734,697 or \$7.57 a share for 1924.

Tower Manufacturing Co., according to advices from Boston, has voted to retire the remaining \$42,000 of 7% cumulative preferred stock, leaving 97,060 shares of common as the only capital outstanding.

American Cyanamid Co. common stock advanced from \$150 per share to \$210 per share during the week following the news of the proposed division to be made in the shares.

Will & Baumer Candle Co., has declared the regular quarterly dividend of 25 cents per share on the common stock, payable Feb. 15, to stockholders of record Feb. 1.

National Lead Co., has declared the regular quarterly dividend of 1¼ per cent. payable March 15 to stockholders of record Feb. 19.

Procter & Gamble Co., has declared the regular quarterly dividend of \$1.25 a share on the common stock, payable Feb. 15, to stockholders of record Jan. 25.

## New Incorporations

Portland Cement Products Corp., New York, \$3,500,000. U. S. Corporation Co.

National Chemical Products Co., Wilmington, Del., \$250,000. Insecticides, disinfectants. Corporation Trust Co., of America.

Hungarian Pickle Works, New York, \$10,000. H. and J. and L. Lipschitz. Attys., same as preceding.

Cincinnati Concrete Co., Dover, Del., \$2,100,000. Manufacturing building materials from cinders, cement clay. T. L. Croteau, Wilmington, Del. Corporation Trust Co. of America.

Simon Gohd & Sons, Inc., Newark, N. J., \$125,000. Paints, oils, etc. Simon Gohd, Otto H. Gohd, Louis Gohd, Samuel Gohd, all of Newark. Attys., Levy, Fernster & McCloskey, Newark.

East Pitcher Zinc Co., Baltimore, Md., 1,000,000 shares, no par. To search and explore for minerals. David B. Kelly, Albert A. Hall, Edward C. Landergren.

Haines-Ce-Brook, Inc., Lynn, Mass., \$100,000. To manufacture and sell ice-cream and dairy products. Ernest L. Haines, George Sanderson, Jr., Frederick W. Arnold.

Chemico-Biological Laboratories, Inc., Dover, Del., \$635,000. Chemists and druggists. N. Pantaky, New York.

Crude Rubber Corp., of America, Wilmington, Del., \$6,000,000. Union Chem. Products Co., Dover, Del., \$30,000. To manufacture denatured alcohol.

Woodbine Mfg. Corp., New York, \$25,000. Chemists. L. A. Rizzile, J. Brown, J. Basso. Attys., Kaminsky & Barnes, 291 Broadway.

National Association Institute of Dyeing and Cleaning, Wilmington, Del., \$151,000. Corporation Service Co.

Tunnel Hill Manganese Co., Wilmington, Del., \$40,000. Minerals, Corporation Trust Co., of America.

Washington Paint & Glass Co., Wilmington, Del., \$25,000. Corporation Trust Co., of America.

Federal White Cross Co., New York, 100 shares, \$100 each; 100 common, no par. Drugs. S. and H. Kovner, J. Krisel. Attys., J. L. Holtzman, Woolworth Bldg.

Agave Laundry, New York, \$10,000. M. Postal, J. Blumofe, J. Feldman, Attys., Blumofe & Levine, 1540 Broadway.

N. L. Lederer, New York, \$5,000. Glue. N. L. Lederer, K. Lundt. Attys., B. Hart, 38 Park Row.

Pelham Hugel Ice Co., Mt. Vernon, New York, \$25,000. L. V. and M. T. and H. V. Bateman. Attys., J. E. Quinn, Mt. Vernon.

Ajax Silk Mills, Paterson, N. J., \$25,000. Alex. Josephson, Archie B. Marcus, Samuel L. Lemansky, all of Paterson. Attys., Surosky & Turndorf, Paterson.

American Flax Products Corp., Wilmington, Del., \$2,500,000. Hemp, flax. Corp. Trust Co. of America.

Lady Margaret Co., Dover, Del., \$1,000,000. Cold cream, toilet articles. Samuel C. Wood, New York. U. S. Corp. Co.

Ad-Co. Color Corp., Bklyn., N. Y., \$50,000. Chemicals. A. F. Ritter, J. Meth, I. W. Daitch. Attys., P. Simon, 50 Court st., Bklyn.

Elanem Candy Co., Newark, N. J., \$125,000. Ira J. Katchen, Samuel Kelsey, Charles Handler, all of Newark. Attys., Meisterman & Katchen, Newark.

Pennsylvania Gypsum Co., Dover, Del., \$2,000,000. Gypsum plaster. T. L. Croteau, Wilmington, Del. Corporation Trust Co. of America.

Schmoll-Stiles-Reid Rubber, New York, 10,000 shares, \$100 each; 10,000 common, no par. Produce. A. Schmoll, W. Reid, W. H. Stiles. Attys., Cohen, Cole & Weiss, 61 Broadway.

Acme Fire Roofing Co., New York, \$12,000. N. Auletta, E. Cannava, A. W. Snyder. Attys., P. L. F. Sabbatino, 21 Broadway.

J. Glasby & Co., New York, \$25,000. Textiles. T. O'Connell, H. N. Steel, A. O'Brien. Attys., Hennessy & O'Connell, 58 Beckman st.

Hale Laboratories, New York, \$300,000. Cleaning preparations. I. C. Holm, J. F. Millemiss, J. J. Dunn. Attys., Holm, Whitlock & Searff, 222 Fulton st.

Ehrmann Strauss Co., New York, \$25,000. Chemists. W. T. Strauss, F. Ehrmann, R. H. Commons. Attys., Feinstein & Rosenberg, 1540 Broadway.

Gillette Fibre Mills, New York, 2000 shares, \$100 each; 1000 common, no par. Paper and boxes. A. T. Douglas, N. P. Gatling, C. Dart. Attys., Beekman, Bogue, Clark & Griscom, 21 William st.

Dyeing Processes Corp., New York, 500 shares, \$100 each; 1500 common, no par. P. E. Wish, W. H. Garis, J. C. Beeden. Attys., McKercher & Link, 43 Rector st.

Rubin Candy Co., Monticello, N. Y., \$20,000. C. H. Levy, M. Lowy, H. Rubin. Attys., H. W. Beck Liberty, N. Y.

Plastene Products, New York, 1000 common, no par. Paints and artificial stone. G. Gross, W. A. Galvin, E. H. Vogel. Attys., Parker & Aaron, 30 Broad st.

Disnovagum Co., New York, \$4,000. Chewing gum. J. Sapiroli, A. A. Camer, A. Rosci. Attys., L. Campora, 132 Nassau st.

Henderson Color Works, New York, 100 common, no par. D. Friedma. H. C. Price, W. W. Frankel. Attys., Pride Bros., 261 Broadway.



# Industrial Chemical

## SECTION



### Record Expansion in Fertilizers

**Synthetic Nitrogen Products Increased 17 Per Cent and Chilean Nitrate Output More Than Six Per Cent—New Plants Being Erected in Europe—Nitrogen Industry of Germany—Chilean Export Duty Still Under Consideration by Government**

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Feb. 1—World consumption of nitrogenous fertilizers established a record expansion in 1925, the rapidly increasing production having found an unexpected power of absorption, writes Consul Ravndal, Frankfort-on-Main, Germany. Total world's production, according to the annual report of Aikman (London) Ltd., is estimated at about 480,000 long tons of nitrogen contained in synthetic nitrogen products, an increase of 17 per cent of the 1923 output; and 377,000 tons of nitrogen in the Chilean nitrate of soda delivered in 1925, an increase in the latter of 6¼ per cent over that of 1924.

The total sales of Chilean nitrate by the Producers' Association for shipment during the last half of 1925 amounted to 1,715,000 tons, compared with 1,570,000 tons during the same period of 1924. The prices fixed by the association on May 30, 1925, have been maintained. Production shows a tendency to increase, and is now at the rate of about 2,650,000 tons per annum, although the number of oficinas operating has been reduced from 91 to 89.

The productive capacity on which quotas were based during the past year was about 4,400,000 tons, and the sales of individual producers amounted to 52 per cent of their quotas. During the coming year the production capacity is likely to be increased to 4,500,000 tons, and the individual percentage of sales may be reduced. The past year has been a profitable one to most producers, and the coming year is likely to be equally so for the large combinations.

#### No Change in Chilean Export Duty

No decision has been reached by the Chilean Government, regarding a reduction in the export duty, which is absolutely necessary if the Chilean industry is to share in the increasing demand for nitrogen. At the present time competitive articles, owing to their lower price, have a larger sale than Chilean nitrate, and while as a top dressing nitrate will, even at higher price, always command a certain sale (computed by some authorities at about 2,000,000 long tons per annum), any increase on this figure at its present level of price will remain dependent on the demand for nitrogen increasing at a greater rate than the production of synthetic nitrogen products.

The production of synthetic nitrogen products in Germany during the current year, June, 1925 to May, 1926, which was estimated at 420,000 tons of nitrogen, as compared with 360,000 tons for the preceding year, now appears unlikely to exceed 380,000 to 400,000 tons. Financial stringency in Germany made it at one time

probable that the power of absorption had reached its limit, and that a substantial reduction in consumption there would take place next spring, which, it is believed, resulted for a few months, in a voluntary restriction of output by the German producers. A large credit has, however, been arranged by the Nitrogen Syndicate in conjunction with a German bank, which, in turn, has been guaranteed against loss by the German Government to the extent of \$5,000,000. This will enable consumers to obtain German synthetic nitrogen as they require it and only necessitate payment on December 1, 1926, and may have far-reaching effects in increasing home consumption and may thus leave less nitrogen available for export.

#### Nitrate Output in Europe

In other countries the total present productive capacity is estimated at 80,000 to 100,000 tons of nitrogen per annum, but new plants are under erection in Italy, France, Czechoslovakia, Poland, the United Kingdom, and the United States, which, when completed, are likely to increase the annual productive capacity by about 100,000 tons of nitrogen, although less than half of this increase is expected to be available during the coming year.

The nitrogen industry of Germany will receive assistance from the German Government in the financing of their sales during the coming agricultural season. After lengthy debate, the budget committee of the Reichstag has decided that the government shall guarantee the non-payment of nitrogen fertilizers—bought subsequent to the guarantee and sold on credit terms—up to 30,000,000 marks.

#### FERTILIZER MAKERS ELECT DIRECTORS

(Special to DRUG & CHEMICAL MARKETS)

Baltimore, Feb. 1—Stockholders of the Associated Fertilizer Manufacturers of America, including some seventy of the smaller manufacturers of mixtures and producers of acid phosphate, held a meeting at the Southern Hotel, Baltimore, recently, and received the annual reports of the officers, which were on the whole favorable and tended to represent the general situation in the trade as encouraging. William E. Valiant, president, told about gains made by the organization in point of membership and otherwise, and an interchange of views by individual delegates at the meeting took place.

Directors were elected as follows: E. C. Hutchinson, Trenton Bone Fertilizer Co., Trenton, N. J.; William F. Bispels, of Charles R. Shoemaker, Inc., Philadelphia; A. B. Hess, Lancaster Chemical Co., Lancaster, Pa.; George A. Whiting, Standard Wholesale Phosphate and Acid Works, Baltimore; James E. Totman, Summers Fertilizer Company, Baltimore; C. C. Smith, Triangle Agricultural Corp., Wilmington, Del., and William E. Valiant, of Valiant Fertilizer Co., Laurel, Del.



# The Heavy Chemical Market

Chemical Current Spot Quotations for Heavy Chemicals, see pages 338-356

## CHLORINE DERIVATIVES TENDING UP

Pending Demand for Chlorine from Ethyl Gasoline and Other New Uses Threatens to Absorb All Production of Chlorine Outside of Contracts—Makers Very Firm in Prices—Oxalic Acid Up—Copper Sulfate Firmer—Nickel Salt Shaded—Tin Salts Down for Feb.—Potassium Perchlorate at 10½¢—Sodium Chlorate Reduced

### PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial D.	\$1.11½	\$1.11½	\$1.11	\$1.11	\$1.19½	\$0.87
Sulfuric Acid, 66°	14.00	14.00	14.00	14.00	55.00	20.00
Amm. Sulfate 100 lbs.	2.95	2.95	2.95	2.75	7.50	2.65
Bleaching Pdr. 100 lbs.	2.00	2.00	2.00	1.90	9.50	1.50
Copper Sulfate c-1 100lbs.	4.35	4.30	4.40	4.65	200.00	4.60
Potash, Caustic, Imp. D.	.071½	.07½	.07½	.07½	.87	.08
Soda Ash, 58 p.c. 100lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c. 100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate D.	.08½	.08½	.08	.08½	4.65	.06½
Sodium Prussiate ... D.	.10	.10	.10	.11	1.25	.18
Average .....	2.918	2.913	2.831	2.856	10.79	2.99

Usual strength in chlorine and its many derivatives was the outstanding change in the position of heavy chemicals during the past week. Chlorine producers are very strong in their views, and state that not only the ethyl gasoline industry threatens to absorb all offerings outside of contracts, but that there are two or three other uses pending that will consume equally as much as ethyl gasoline. It is stated that there is no limit to the amount of chlorine that any one of these new uses will absorb. Spot prices are being quoted strictly on schedule, and an advance in the spot prices appears likely. Carbon tetrachloride appears set for an advance as does chloroform and other chlorine derivatives, and it is indicated that these will be announced within ten days.

Other heavy chemicals displayed only small routine activity. A rather unexpected reduction in sodium chlorate was announced by the domestic maker. Copper sulfate is in large supply but prices are somewhat firmer. Oxalic acid continues in a very firm position with importers quoting above domestic makers in the local market. Formic acid is moving in good volume but prices remain at unchanged figures.

**Acetone**—Market is very firm with ready outlet reported for all offerings. Exports continue of large volume and no excess supplies are forecast.

**Acetanilid**—Technical material is moving in good volume at firm prices of 24¢@24½¢ lb as to quantity.

**Acid Formic**—Steady consuming demand of routine character is reported by importers who quote unchanged prices of 10¢@10½¢ lb for 85% material, and 10½¢@11¢ lb for 90%.

**Acid Oxalic**—Imported material is very firm on spot and for shipment. While some casks might be secured for 11¢ lb, barrels are quoted at 11½¢ lb in all direc-

tions. Domestic makers name unchanged prices of 10½¢ @11¢ lb as to quantity.

**Acid Sulfuric**—Market continues in a very strong position and many makers report rather depleted stocks of some grades. Schedule prices are unchanged in all quarters.

**Ammonia Anhydrous**—All makers report a firm market with quotations unchanged. A good demand throughout the country is indicated and no excess supplies are anticipated for some time.

**Ammonia Aqua**—Steadiness characterizes this product and all makers are firm in their quotations of 3¢@4¢ lb as to location and quantity for 26°. All supplies are finding a ready outlet and no weakness appears likely in the situation.

**Ammonium Chloride**—Domestic makers and importers quote unchanged prices in all transactions. Imported white is named at 5½¢ lb, and gray at 6½¢ lb. Domestic white is quoted at 6¢@6½¢ lb, and gray at 7¢@7½¢ lb.

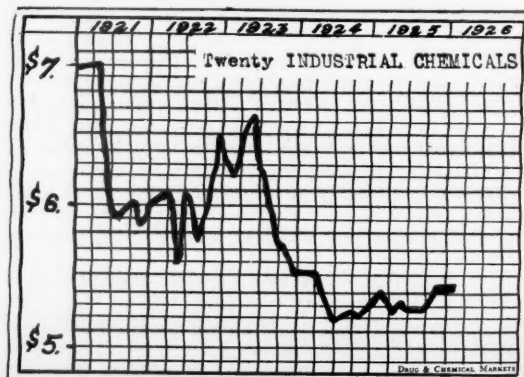
**Ammonium Persulfate**—Market is firm with domestic maker quoting at last week's advance to 25¢@30¢ lb, and importers naming the same figures.

**Barium Salts**—Chloride remains unchanged at \$60.00 @ \$62.00 ton from importers and domestic producers. Demand is of good proportions but offerings are large and an advance does not appear likely. Carbonate is in large supply and prices are none too firm at \$43.00 ton. Consternation is expressed by some importers as to the possibility of the duty being advanced from \$20.00 ton to \$30.00 ton.

**Copperas**—Market for sugar remains in a weak unsettled condition due to production being far in excess of consumption. Open quotations of \$9.00 ton for bulk, \$11.00 for bags, and \$13.00 for barrels are named, but shading is openly indicated.

**Copper Sulfate**—Quotations continue to be named over a wide range, but the market is somewhat firmer. The amounts of goods offered at \$4.20 100 lbs. for carlots is decidedly less and more makers name \$4.35@\$4.45 100 lbs.

**Glauber's Salt**—Competition remains very keen among domestic producers and quotations of \$1.10@\$1.15 100 lbs. for carlots at works continue to be shaded. Im-



ported material is quoted at 75c@80c 100 lbs. in bags, and 85c in barrels.

**Nickel Salts**—Single salt is offered at slightly lower prices of 7½c@8c lb as to quantity, and double salt at 8c@8½c lb.

**Potassium Chlorate**—Domestic maker names unchanged prices of 8½c@9c lb as to quantity for both crystals and powder. Importers are firm at 8½c@8¾c lb.

**Potassium Perchlorate**—Imported material is obtainable in large volume on spot at 10½c@10¾c lb as to quantity. Holders of stocks are very firm at these figures, as a heavy demand is anticipated shortly.

**Sodium Chlorate**—Domestic maker has reduced quotations ¼c lb and offers unlimited quantities at New York at 5¾c@6c lb as to quantity. Imported prices are firm and unchanged at 6¼c@6½c lb.

**Tin Salts**—Makers announce low prices for February delivery based on tin Straits at 61c lb. Barrel prices at 41½c lb for crystals, 17c lb for bichloride solution, and 34½c lb for tetrachloride.

Potash deposits in Eastern Utah are to be exploited and developed at an annual expenditure of several hundred thousand dollars by a combination of California and Eastern capital. William Armstrong, of Los Angeles, has been granted a mineral lease by the State Land Board which gives him the right to extract mineral salts from 2,480 acres of State lands in Grand County.

Roessler & Hasslacher Chemical Co., New York, is sending a 1926 calendar to customers. It has four months on each sheet and the headquarters of Gens. Washington, Pershing, Lee and Meade, heretofore shown in the series of advertisements appearing in "Drug & Chemical Markets."

The joint meeting of the American Electrochemical Society, the American Chemical Society, Society of Chemical Industry and Societe de Chimie Industrielle, at Rumford Hall, on Feb. 5, will be addressed by Prof. Hugh S. Taylor on "The Mechanism of Chemical Reactions."

The Drysalters' Club of New England elected two new members at the Winter meeting of the club in Boston, recently, and President Harry R. Davies appointed a nominating committee who will report at the April meeting.

A chemical factory is contemplated for Victoria, Australia, it has been reported, following the visit of F. W. Gamble, director of Allen & Hanbury, London. It is proposed to supply China and the Near East as well as Australian markets.

Manganese sulfate has been advanced by Carus Chemical Co., manufacturers, for the first time in six years. The new prices are 7½c lb for ton lots, and 7¾c@8c for smaller lots.

Sir Max Muspratt, Bt., chairman of the United Alkali Co., Ltd., has been nominated president of the Federation of British Industries for the coming year.

Alex C. Fergusson, Jr., Philadelphia, has been awarded a government contract for 200 gallons carbon tetrachloride at 95.4c.

Arthur G. Carole has been appointed sales manager of Compound Specialty Co., Long Island City. Mr. Carole was with Barrett Co. for nearly 25 years.

Sunlight Chemical Corp., Phillipsdale, R. I., has been awarded a government contract for 4,600 lbs. hydrated lime at 2.6c lb.

# HAMBURG PRICES WELL MAINTAINED

Epsom Salts, Barium Chloride, Potassium Chlorate, Carbonate of Potash and Blue Vitriol in Good Demand—Yellow Prussiate of Potash Weaker—Bromides Neglected

(Special Radiogram to DRUG & CHEMICAL MARKETS)

Hamburg, Germany, Feb. 3—Prices of industrial chemicals are well maintained and the business during the week has been satisfactory. Good demand is reported for Epsom salts, barium chloride, potassium chlorate, carbonate of potash and blue vitriol. Trading is quiet in caustic potash, sodium hyposulfite, sal-ammoniac and sodium sulfide.

Yellow prussiate of potash is weaker. The bromides are neglected.

Hamburg, Jan. 23 (By Mail)—Hamburg exporters complain of prices quoted for formic acid by the German Convention, which sells at the same figures to German exporters as to importers in foreign countries; consequently no profit is left to German shippers in this line.

The conditions are similar in the export of magnesium chloride which is likewise sold by a German Trust, so that for instance the whole business to Great Britain is done by a single British import firm. In order to prevent such practices the newspapers suggest a special tax on such contracts.

# FLOODS DELAY DELIVERIES IN BELGIUM

(Special to DRUG & CHEMICAL MARKETS)

Antwerp, Belgium, Jan. 23—Owing to severe floods, several Belgian chemical works have been damaged and deliveries delayed. With the exception of antimony and its compounds, there has been no increase in price, but most commodities have remained at unchanged figures.

Owing to agreements between Continental makers, such products as mineral acids (sulfuric, hydrochloric, nitric, hydrofluoric, organic acids (lactic, formic, oxalic), barium chloride, bichromate of soda and potash, carbonate of potash, caustic potash and many other items are quoted now on a firmly established basis. Purchases could be made in France at low levels, on account of the depreciating currency, but only on a limited scale, as French sellers have been quick in quoting in gold currency. Ammonia remains weak and the same applies to its compounds, particularly carbonate of ammonia. However, ammonium chloride, both in lumps and powder, has been quite firm, with a good demand prevailing. Arsenic is neglected, with no recovery in sight.

Sodium sulfide is now made in Belgium on a larger scale, several works having resumed the manufacture; at present low prices, large export sales have been made. Also Belgian phosphate of soda and ammonia are exported in fair quantities.

The Belgian franc seems practically stabilized now at the rate of francs 22.06 for the dollar; this rate has not varied during the last three months.

Returns of the British Board of Trade for 1925 show that imports of chemicals, drugs and dyes amounted to £14,402,140, a decrease compared with the previous year of £215,035. The value of British exports of these products was £23,576,571, also less by £1,901,802. Again in the re-export branch a decrease has to be recorded, with the value for the year reduced from £1,359,916 in 1924 to £1,217,263 in 1925.

According to dispatches from Paris, a movement is on foot to reorganize the National Synthetic Ammonia Office of France. The French Cabinet has already approved of it.



# The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemical pages 338-356

## PARA-NITROANILINE REDUCED TO 51c LB.

**Market Unsettled at Reduction—Mono-Sulfonic Acid Down to \$1.65—Other Intermediates Generally Steady But Demand is Spotty—Benzene Firm on Both Grades—Toluene Continues to Ease Off—Naphthalene Shaded—Pyridine Strong—Phenol Quiet—Cresylic Acid in Heavy Request**

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Pyridine 10c gal.	
Declined	
Acid Monosulfonic, 5c lb.	Naphthalene, Balls, 1/4c lb.
Para-Nitroaniline, 2c lb.	

Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .... gal.	\$ .23	\$ .23	\$ .24	\$ .23	\$ 1.10	\$ .23
Naphthalene flake ... lb.	.06	.06	.06	.05	.16	.03
Phenol Spot ..... lb.	.22	.22	.22	.24	1.50	.08
Toluene ..... gal.	.35	.35	.35	.26	—	—
Aniline Oil ..... lb.	.16	.16	.16	.16	1.40	.10 1/2
Alpha-naphthylamine lb.	.35	.35	.35	.35	1.28	—
Benzaldehyde ..... lb.	.70	.70	.70	.70	—	—
Betanaphthol ..... lb.	.24	.24	.24	.24	1.50	.08
Dimethylaniline .... lb.	.31	.31	.31	.38	1.30	—
Paranitroaniline .... lb.	.51	.53	.53	.60	1.68	.18
Average .....	0.313	0.315	0.316	0.316		

Light oil distillates continued in practically unchanged positions during the past week. Sufficient demand is reported to absorb all offerings of both grades of benzene at firm prices. Toluene continues to ease off and in some cases a tank car is reported unsold for February delivery. Solvent naphtha and xylene output is not as yet sufficient to supply the demand and quotations are nominally unchanged. Pyridine remains in a very strong position and prices are firm in all directions. Phenol is quiet but makers are firm in their schedules. Naphthalene is in small demand and shading of prices is reported to have occurred on occasions.

Intermediate demand is spotty but prices on the large majority are firm and unchanged. Para-nitroaniline remains a weak spot and the market is very unsettled with reported prices extending over a wide spread. Paratoluidine is also weak. A further reduction in the price of mono-sulfonic acid was announced during the week.

### Crudes

**Benzene**—Output is being steadily maintained in all directions and seems to have reached its peak due to the fact that sufficient toluene is being recovered under present conditions to fulfill the demand. A ready outlet is reported by distributors for all offerings and prices are being maintained at unchanged figures in all transactions. Quotations on tank cars at mills are given at 23c gal. for pure, and 24c gal. for 90%. Drum lots are quoted at 5c gal. above tank car prices.

**Cresylic Acid**—This market is still gaining in strength in Europe and the spot prices continue to lag behind shipment quotations. There is reported to be a new use for 97-99% pale acid that threatens to consume the entire output of Europe. Whether or not this use has been

definitely developed or is only contemplated could not be learned. Quotations from Europe indicate a spot market here of over 70c gal. shortly and further advances are not unlikely. Spot goods are available at 60c@65c gal. as to quantity and seller.

**Naphthalene**—Spot demand is of very small proportions and some shading of quotations is reported. While the lowest price quoted on flake is 6c lb. and many makers name 7c lb. carlots are reported to have gone for less. Balls are openly quoted lower at 6 1/4c lb. but some makers continue to quote 8c lb.

**Phenol**—Market remains quiet due to small routine demand. Manufacturers' prices are firm in all transactions at 22c lb for large drums.

**Pyridine**—Market remains strong and spot goods are quoted firmly at \$4.85@\$5.00 gal. as to quantity and seller. Shipment is firm at \$4.15 gal. Spot stocks remain small and in strong hands.

**Solvent Naphtha**—Supplies are insufficient to satisfy the demand, although consumers are obtaining more of their requirements than heretofore. Quotations are nominally unchanged.

**Toluene**—This situation continues to ease off in all quarters. Nothing is available on spot at the moment, but shipment can be made within a few days by some factors. A few tanks are reported unsold for February delivery. Prices are quoted at unchanged figures by all factors.

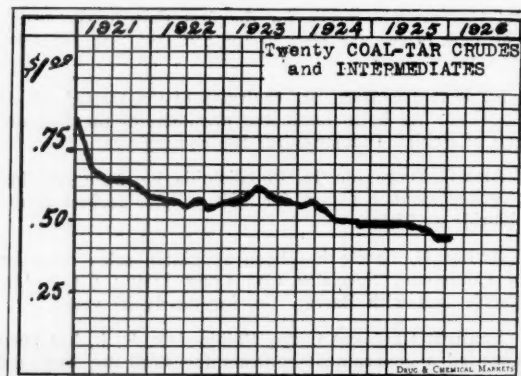
**Xylene**—Consumers are as yet unable to secure sufficient supplies, but they are receiving a greater percentage of their requirements. Nominal quotations are given in all quarters at unchanged figures.

### Intermediates

**Acid Gamma**—Quotations from makers remain at \$1.30 @ \$1.36 lb as to quantity. Nothing serious has occurred in the way of price shading.

**Acid H**—All makers continue to name 68c@72c lb as to quantity for this product, but reports of price-shading on occasions have been heard. It is not known whether the general market will decline or not.

**Acid Monosulfonic**—A further reduction in price was announced by makers during the past week and single



barrels are now quoted at \$1.65 lb. The market is very firm at the reduction.

**Aniline Oil**—Steady movement of supplies against contracts is reported by makers. Spot demand is of small routine volume that is not sufficient to cause sharp competition.

**Dimethylaniline**—Manufacturers report a firm market with prices quoted at recent figures in all directions. The great bulk of this product is moving on contracts and the spot demand is not of sufficient volume to cause any unsettlement in the price situation.

**Meta-Nitro-Para-Toluidine**—Makers report a steady demand for this material from the lake trade. Quotations are unchanged at \$1.80 lb for single barrels, although competition from the imported product is rather sharp on occasions.

**Meta-Phenylenediamine**—Prices are firm and unchanged from all makers, and a moderate demand is reported.

**Ortho-Toluidine**—Firm conditions continue to prevail in this market and quotations are being strictly adhered to at 25c@27c lb as to quantity. The weak market for para-toluidine and the high prices of toluene prevent any serious shading of these figures.

**Para-Nitroaniline**—The market is lower and is generally unsettled at the reduction. Open quotations are given by leading makers at 51c@52c lb for lake-makers grade. Competition has been met down to 50c lb, and offerings have been made at as low as 48c lb by one of the smaller makers. Further settling of prices appears likely.

**Para-Toluidine**—Stocks in makers' hands are of very large tonnage and the demand is of small volume. Prices are named at 50c lb but this price is open to shading for fair-sized orders.

# ETHYLENE GLYCOL AS DYESTUFF SOLVENT

Ethylene glycol and ethylene chlorhydrin are finding increased use as solvents for organic dyestuffs in cases where glycerin, acetone, and other solvents do not give satisfactory results in textile printing, says "Dyer & Calico Printer." Ethyl glycol and ethylene chlorhydrin possess several marked advantages over the formerly employed solvents, such as lack of disagreeable odor; yielding purer and fuller prints than produced with usual solvents; greater power of dissolving many dyestuffs; better penetration of the fibres when employed as additions to printing pastes. They are particularly adapted to the printing of silk.

Ethylene glycol is especially suitable for addition to strongly alkali printing pastes and to color discharges with basic dyestuffs on wool and cotton owing to its neutral reaction as well as to the good and beautiful discharge effects obtained with it. In this use it replaces acetin, glycerin, phenol, aniline oil and alcohol.

The encouraging reports on New England industrial conditions are not reflected in the demand for chemicals. Boston houses report a fair spot demand, but the total volume of sales is not up to normal. Consumers are cautious. As a rule prices are steady. Sulfuric acid has developed a slightly firmer tendency, but shellac and denatured alcohol are easier. Some houses report increasing demand for dyestuffs. Tanning materials are in very light movement.

The Swiss dyestuffs industry during 1925 is reported as not too good, according to the Schweizerische Kreditanstalt. England furnished the best market, and the trade with America, France, and Italy improved somewhat. Total exports remained close to 1924 in quantity, but declined in value.

## ISSUES NEW DYE STANDARD LIST

Treasury Department Designates Identical Products For Purpose of Assessing Duty

(Special to Drug & Chemical Markets)

Washington, D. C., Feb. 2.—The Customs Service, Treasury Department, has just issued supplementary dye list No. AI in connection with standards of strength of dyes for the purpose of assessing the specific duty of seven cents per pound. The dyes and standards are as follows, the identical product indented under each product:

No.	Class Index	Name of Standard	Mfr.
1 AI	C. 789	Acridine Golden Yellow G .....	(L)
		Brilliant Phosphine 5 G. ....	(J)
2 AI	S. 800	Anthracene Blue WB 10% Paste .....	(B)
	C.1059	Anthracene Blue WB. Pastes & Powd. ....	(B)
3 AI	(V)	Cibacene Red G. 40% Paste .....	(J)
		Cibacene Red G. Pastes & Powder .....	(J)
4 AI	(D.S.)	Cyanol Silk Blue B. ....	(C)
		Levelling Silk Blue B. ....	(C)
5 AI	(D)	Diamine Grey G. ....	(C)
6 AI	(B)	Diazine Black G. ....	(C)
7 AI	(D.d)	Diazo Black OT. ....	(K)
		Developing Black OT. ....	(By)
8 AI	S. 637	Gallamine Blue Extra 20% Paste .....	(C)
	C. 894	Gallamine Blue Extra Pastes & Powd. ....	(G)
9 AI	S. 198	Mimosa L. Conc. ....	(G)
	C. 813		
10 AI	(A)	Polar Red B. Conc. ....	(G)
11 AI	(A)	Sulpho Rosazene G. ....	(M)
		Additional Names of Dyes Corresponding to Dyes Already Adopted as Standards	
2	(M)	Acid Alizarine Grey G. ....	(M)
		Polar Grey No. 699 .....	(G)
67	S. 865	Alizarine Cyanine Green G. ....	(By)
	C.1078	Erio Fast Cyanine Green G. ....	(G)
80	(V)	Alizarine Indigo Brown R. 20% Paste .....	(By)
		Vat Printing Brown R. Pastes & Powd. ....	(By)
174	(A)	Brilliant Acid Blue FF. ....	(By)
		Erioglaucine Supra Conc. No. 546 .....	(G)
		Xylene Blue VS, VS Conc. ....	(S)
201	(B)	Brilliant Rhoduline Blue R. ....	(By)
		Brilliant Rhodamine Blue R. ....	(By)
4 AF	(D.A.S.)	Celastine Fast Light Yellow, 20% Paste .....	(S.D)
		Yellow 3 G. Pastes for Acetate Silk .....	(B)
227	(D.A.S.)	Celastene Red Violet 10% Paste .....	(S.D)
		Red Violet Extra, Pastes for Acetate Silk .....	(B)
		Duranol Violet 2R Pastes .....	(BDC)
241	(D)	Chlorantine Fast Brown RL .....	(J)
		Chlorazol Fast Brown RK .....	(BDC)
273	S. 881	Ciba Blue 2 BD 16% Paste .....	(J)
	C.1184	Ciba Blue 2 BL Pastes & Powder .....	(J)
304	S. 259	Croceine Scarlet 10 B .....	(K)
	C. 291	Croceine Scarlet 10 B. ....	(By)
327	(D)	Diamine Fast Orange EG .....	(S)
		Chloramine Fast Orange G, G Conc. ....	(S)
328	(D)	Diamine Fast Orange ER .....	(S)
		Chloramine Fast Orange R, R Conc. ....	(S)
16 AB	S. 319	Diamine Scarlet B. ....	(S)
	C. 382	Chloramine Red B. ....	(S)
400	(D.A.S.)	Duranol Blue G 10% Paste .....	(BDC)
		Blue Extra Paste for Acetate Silk .....	(B)
404	S. 587	Eosine A. ....	(B)
	C. 768	Eosine Y .....	(C.J)
450	S. 913	Helindone Orange R. 10% Paste .....	(M)
	C.1217	Antra Orange RH Pastes & Powder .....	(B)
481	S. 910	Helindone Pink AN 10% Paste .....	(M)
	C.1211	Helindone Pink AN Powder .....	(M)
520	S. 842	Indanthrene Blue GCD, 81-3% Paste .....	(B)
	C.1113	Cibacene Blue GCD Pastes & Powder .....	(J)
57 AC	S. 541	Isamine Blue 8 B. ....	(By)
	C. 710	Direct Sky Blue 8 G. Extra .....	(By)
612	S. 635	Modern Violet .....	(DH)
	C. 892	Ultra Violet MO .....	(S)
660	S. 543	Patent Blue V. ....	(M)
	C. 712	Guinea Blue V. ....	(A)
50 AA	(A)	Polar Red G. Conc. ....	(G)
		Acid Red G. Conc. ....	(J)
713	S. 496	Setoglaucine .....	(G)
	C. 658	Rhodamine Blue 6 B, 6 B Conc. ....	(By)
779	C. 832	Wool Fast Blue BL .....	(By)
		Indocyanine FF .....	(A)

## Changes in Standard List

Indanthrene Green GG, 25% Paste (B) Standard No. 342, is changed to Indanthrene Green GG, 50% Paste (B).

Developing Black OT (C) under Stand'd No. 356, is removed from the List.

Erioglaucine, Supra 528 (G) Std'd No. 420, and other names of dyes listed under the same standard number are removed from the List.

Xylene Blue V. S. (S) Std'd No. 781, and Xylene Blue V. S. Conc. (S) under the same standard number are removed from the List.

# The Oil Market

Current Spot Quotations for Oils, Greases, page 357

## CHINAWOOD AND COCONUT OILS LOWER

Small Consuming Demand Brings About Liquidation of Many Items and Prices Sag—Olive Oil Down Again—Foots Off on Spot and Shipment—Palm Kernel Oil Lower—Lard Oil Higher—Neatsfoot Oil Up Sharply—Tallow Shaded—Stearine Oleo Down Again—Linseed Oil Firmer

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Lard Oil, Extra No. 1, ¾ c lb.	Neatsfoot Oil, Pure, 1 c lb.	China wood Oil, ¼ c to ¾ c lb.	Olive Oil Foots, ¼ c lb.
Lard Oil, No. 1, ¾ c lb.	Neatsfoot Oil, Extra, ¾ c lb.	Coconut Oil, ¼ c to ¾ c lb.	Palm Kernel Oil, ¾ c lb.
Lard Oil, No. 2, ¾ c lb.	Neatsfoot Oil, No. 1, ¾ c lb.	Grease, House, ¾ c lb.	Stearine Oleo, ¼ c lb.
Neatsfoot Oil, 20° c.t., 3c lb.		Lard Oil, Edible Prime, ¾ c lb.	Tallow, City Extra, ¾ c lb.
		Olive Oil, 2c gal.	

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N Y ....gal.	\$ .69	\$ .69	\$ .70	\$ .58	\$ 1.26	\$ .26½
Degras American, bbl. lb.	.04½	.04½	.04½	.04½	.23	.03½
Lard No 1 .....gal.	.97	.93	.91	.98	2.90	.92
Menhaden, crd., tbs gal.	.55	.55	.55	.55	1.20	.33
Neatsfoot, 20° c t gal.	1.56	1.27½	1.27½	1.20	8.45	.95
Red Oil distilled ..lb.	.10½	.10½	.11	.11½	.17	.07
Stearic Acid, T.P. lb.	.17½	.17½	.18	.16½	.33	.12
Coconut, Ceylon, tbs lb.	.10½	.10½	.10½	.11½	.30	.14
Cottonseed crude, tbs lb.	.09½	.09½	.08½	.09½	.25	.08
Linseed crude ....gal.	.84½	.84	.91½	1.17	1.85	.57
Olive, denatured ....gal.	1.20	1.23	1.23	1.30	4.60	1.05
Peanut, refined ....lb.	.15	.15	.15	.16	.30	.08
Soya Bean tbs lb.	.13½	.13½	.13½	.13½	.19½	.07
Average .....	4.89	4.85	4.91	0.523	5.92	1.56

The vegetable oil market continued to display further weakness and prices on many items that have been firm for some time past sagged perceptibly. Chinawood oil was decidedly easier due to consumers being unwilling to buy ahead following the weak linseed oil situation. Coconut oil stocks were offered at lower prices and the market is generally lower. Olive oil foots are quoted at lower figures on spot and for shipment due to consumers holding off in their buying. The market has been without active buying since the first of the year and factors have been confident that an active consuming demand would make itself felt surely after the middle of January. But with February here conditions remain unchanged and some of the weaker holders are liquidating part of their stocks. The three best months of the year are still ahead and factors are certain that the present dullness will soon disappear. However, further breaks might be recorded before the change sets in. Linseed oil was slightly firmer and prices recovered from further declines during the past week.

Animal oils and fats are generally strong as to price and no difficulty is evidenced in moving supplies. Lard oil and neatsfoot oil prices were advanced during the week.

### Vegetable Oils

**Castor Oil**—The market is rather quiet with demand of small routine character and prices unchanged at recent reduction to 14c lb for No. 1, and 13½c lb for No. 3.

**Chinawood Oil**—Several factors attempted to liquidate some of their holdings during the past week and the market is now quoted lower in all directions. Consum-

ing demand has been slight due to consumers being unwilling to take on the usual amounts with the linseed oil market displaying its past weakness. Barrels are offered at 12¾c@13c lb; tanks at New York at 11¾c@12c lb; and tanks at Pacific Coast at 11c@11¾c lb.

**Coconut Oil**—Market on all grades is lower due to weak holders attempting to unload a portion of their stocks in the face of a very slight consuming demand. Ceylon is offered at 11½c@11¾c lb for barrels, and 10½c@10¾c lb for tanks. Cochin is quoted at 12½c@12¾c lb for barrels, and 11¾c lb for tanks. Manila is named at 11½c@11¾c lb for barrels, and 9½c@10c lb for tanks at Pacific Coast.

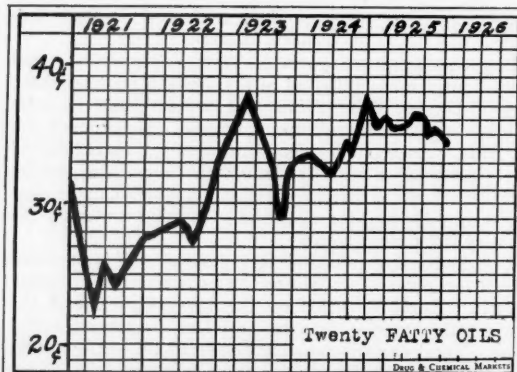
**Cottonseed Oil**—Market is slightly easier and crude oil is quoted in all directions at 9½c lb. Prime summer yellow oil quotations are fractionally lower due to continued small consuming demand. The recent high prices have not been due to any demand but merely to speculation and unless the control is in strong hands a break can be expected any moment. Opening quotations this week were: Feb. 11c lb bid, 11¾c asked; March 11c bid, 11.07c asked; April 11c bid, 11.15c asked; May sold at 11.17c; June 11.2c bid, 11.3c asked; July sold at 11.35c; Aug. 11.4c bid, 11.45c asked; Sept. sold at 11.55c@11.54c.

**Linseed Oil**—Market is firmer this week although prices are still quoted at the same figures as at this time last week. Carlots of barrels are quoted at 11.3c lb on spot or for shipment through April. Demand is small since consumers are not certain whether a decided change has set in or not. Prices dropped to 11.1c lb openly during the week. Seed markets opened this week as follows: Winnipeg, May \$2.16½@2.17; July \$2.17½c bid; Oct. \$2.11½ asked; Duluth, Feb. \$2.44½; March \$2.46 bid; May \$2.40½; July \$2.48½; Minneapolis May \$2.49 @ \$2.49½; July \$2.48½. Linseed oil at London is quoted at 31s; and at Antwerp at 320f.

**Olive Oil**—Further price declines are reported for the past week and denatured is commonly quoted at \$1.20 @ \$1.25 gal. Lack of consuming demand since the first of the year is responsible for the weakness.

**Olive Oil Foots**—Spot and shipment prices have declined following a small consuming demand in all directions. Spot goods are offered at 8½c@8¾c lb; and shipment prices are quoted at 8¾c@8½c lb.

**Palm Oil**—Prices are fairly well maintained in all directions, but demand has been small for the past month





and weak holders are likely to attempt to unload at any moment.

**Palm Kernel Oil**—Casks are lower at 97½¢@10¢ lb on spot. Stocks are fairly large and buying is of small volume.

#### Animal Oils

**Greases**—House is lower at 8½¢ lb. Other grades are quoted at firm unchanged prices by makers.

**Lard Oil**—Edible prime oil is lower at 18½¢ lb. Extra No. 1 is higher at 14¢ lb; No. 1 is up to 13¾¢ lb; No. 2 has been advanced to 13¾¢ lb. Off prime remains at 15¢ lb; and extra is still named at 14½¢ lb.

**Neatsfoot Oil**—Strong position is indicated in all grades by the fact that makers have made rather sharp advances in their quotations. Offerings of 20° c. t. are priced at 22¼¢ lb; pure at 17¾¢ lb; extra at 14¢ lb; and No. 1 at 13¾¢ lb.

**Oleo Oil**—Makers name firm unchanged prices on all grades and report a ready outlet for all supplies.

**Stearine Oleo**—Makers have reduced the price still further and now quote 12¢ lb for offerings.

**Tallow**—City extra is quoted slightly lower by makers at 9½¢ lb. There is no apparent weakness in the situation although further fractional price variations are not unlikely.

Albert J. Will, president of Will & Baumer Candle Co., says its 1926 business has started briskly. Re-orders on fancy candles, following big holiday sales, are coming in at a very satisfactory rate, indicating that stocks are depleted. Trade in staple candle lines is holding up well. November and December sales were far ahead of those of any corresponding period in the company's history, except in wartime.

Drawbacks have been allowed by the Treasury Department, Washington, D. C., on oils soya bean and linseed, refined, processed, etc., produced by American Linseed Co. of New York, at their factories at Port Richmond, N. Y., Buffalo, N. Y., Chicago, Ill., and St. Paul, Minn., with the use of imported raw soya bean oil and raw linseed oil.

Protest has been made to the Customs Service, Treasury Department, Washington, that palmetic acid is being assessed at only 1½¢ per pound, and should be assessed at 25 per cent ad valorem under paragraph 5 of the tariff act as a chemical compound. An investigation will be made.

The Murphy Varnish Company, Newark, N. J., announce the election of Chas. J. Roh as president of the company. Mr. Roh, formerly vice-president of the company, succeeds John J. Nicholson, who retired after thirty-seven years' service with the company.

Imports of Chinawood oil for November amounted to 8,307,871 pounds, valued at \$901,373, and imports of linseed oil for the same month totalled 48,932 pounds, valued at \$4,693 and flaxseed imports totalled 1,759,378 bushels, valued at \$3,982,670.

A drawback has been allowed on fatty acid and crude glycerin, manufactured by Dayton Oil Corp., of Dayton, O., or by Beaver Soap Co., Dayton, for the account of the Dayton Oil Co., with the use of imported soya bean oil.

Drawbacks have been allowed by the U. S. Treasury on dry white lead and white lead in oil manufactured by National Lead Co. of California.

### OLIVE OIL ADVANCED AGAIN IN ITALY

(Special to DRUG & CHEMICAL MARKETS)

Genoa, Italy, Jan. 23—The demand for olive oil for export is good, and prices have risen again. Quotations are as follows per 100 kilos:

Riviera Ponente fine, new, lire 1,090 to 1,150; Bari extra, 1,070 to 1,080; Bitonto extra, lire 1,100 to 1,200; Molfetta extra, lire 1,090 to 1,110; Calabria extra, lire 1,050 to 1,100; Sardegna fine, lire 1,050 to 1,100; Toscana fine, lire 1,000 to 1,100; Lecce fine, lire 950 to 1,000; Abruzzi fine, lire 1,080 to 1,100.

Quotations for foreign olive oil c. i. f. Genoa, are as follows per 100 kilos: Tortosa olive oil, pesetas 285 to 290; Aragona olive oil, pesetas 280 to 285; Borjas olive oil, pesetas 270 to 280; Andalusian olive oil, pesetas 240 to 246; Malaga olive oil, pesetas 220 to 225; refined Spanish olive oil, pesetas 245 to 250; Tunis olive oil, first quality, francs 940 to 950; second quality, francs 900 to 910.

Most Italian oils for producing soaps have been reduced in price. Quotations at Genoa are as follows per 100 kilos: Green olive oil, 440 to 445 lire; Lagos palm oil, 500 to 510 lire; bleached palm oil, 550 to 560 lire; Ceylon coconut oil, 580 to 600 lire; English tallow, 550 to 560 lire; raw linseed oil, 530 to 535 lire, boiled linseed oil, 540 to 545 lire; colza oil, 645 to 650 lire; denatured colza oil, 620 to 625 lire; English castor oil, 650 to 670 lire.

### NAVAL STORE EXPORTS INCREASE 30%

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 27—December exports of naval stores, gums and resins were valued at \$1,950,965 as compared with \$2,409,833 for the same month of last year while the value of the exports for 1925 amounted to \$32,119,238 as compared with \$25,653,958 for 1924, according to the Department of Commerce. Detailed figures are as follows:

	1924	1925
Rosin ..... )bbls.	1,452,387	1,172,335
..... )\$	13,754,790	18,888,525
Spirits of turpentine .... gals.	11,510,154	11,557,221
..... )\$	10,105,015	11,346,464
Wood turpentine ..... gals.	561,446	583,605
..... )\$	443,340	439,257
Turpentine substitutes .. gals.	987,825	1,055,453
..... )\$	344,824	309,046
Tar and pitch, wood.... )bbls.	51,241	25,044
..... )\$	266,786	202,490
Other gums and resins .. lbs.	2,139,541	2,807,124
..... )\$	739,203	933,438
Total naval stores, gums and resins ..... )\$	25,653,958	32,119,238
..... ) of 500 pounds		
..... ) of 280 pounds		

An appeal will be taken to the United States Court of Customs Appeals from the recent decision of the Board of General Appraisers sustaining a protest of C. J. Tower & Sons, Buffalo, against assessment of duty on an importation of peanut oil containig 5 per cent of coconut oil, at the rate of 4 cents a pound as peanut oil, under paragraph 55 of the tariff act of 1922. The protestant claimed that the importation was properly dutiable as a mixed oil at 25 per cent ad valorem, under paragraph 58 of the tariff act.

A drawback has been allowed by the U. S. Treasury Department on lacquers and thinners, pyroxylin; and butyl acetate, manufactured by E. I. du Pont de Nemours & Co., at its factory at Parlin, N. J.

# Miscellaneous Raw Materials

Heavy Chemicals 338-356, Tan and Dyestuff 338-356, Fatty Oils, 357

## CHROME YELLOW REDUCED 1c PER POUND

Competition is Said to Have Dropped Price to 16c—Other Dry Colors in Good Demand—Accelerators Quiet—Rosins and Turpentine Lower But Firm—Insecticides Neglected—Expected Fertilizer Inquiry Not in Evidence Let—Albumens Moving in Volume

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Rosin K 5c per 280 lbs.	Wattle Bark \$2.25 per ton
Declined	
Chrome Yellow 1c per lb.	Rosin I 35c per 280 lbs.
Rosin B 50c per 280 lbs.	Rosin M 15c per 280 lbs.
Rosin D 60c per 280 lbs.	Rosin N 2½c per 280 lbs.
Rosin E 25c per 280 lbs.	Rosin WG 5c per 280 lbs.
Rosin F, G 20c per 280 lbs.	Turpentine 3½c per gal.
Rosin H 30c per 280 lbs.	Albunin, Egg 2c per lb.

The reduction in price of chrome yellow is the only change of importance in the miscellaneous field during the past week. In spite of the absence of fluctuation most factors report that orders are being booked in a very satisfactory manner. This is particularly true of albumens and starches and dextrins. The dye and extract market is about the same as previously, but dealers here state that there are signs of a reviving interest and they look to a partial resumption of their former operations very shortly. In the color and pigment field there is a good demand but stocks are sufficient to take care of this. Fungicides and insecticides are in a weak condition, especially calcium arsenate, which has not shown a tendency to advance in the face of the reports of boll-weevil infestation. It is a bit early yet for predictions as to the exact status of calcium arsenate over this season. Fertilizers have been quiet with only a fair buying interest evidenced. South American blood has shown a recession in price in the past few days.

## ACCELERATORS

**Diortho-tolylguanidine**—The market is reported quiet with stocks moving in a small way at unchanged prices.

**Diphenyl-guanidine**—A fair volume of business is being done on the basis of the former quotations of 90c@93c lb.

**Ethylidene Aniline**—Market quiet with a small interest shown at the quoted figures of 63c@65c lb.

**Hexamethylene**—Continues at the same prices with buyers expressing routine interest only.

**Triphenyl-guanidine**—Sales are reported at 72c@73c in a small way.

## ALBUMENS

**Blood**—Is offered at 50c@60c lb spot. Reports here persist that there is a shortage of New York stocks and that an advance may be expected at any moment. This report however, has been in circulation for some time past with no tangible developments.

**Egg**—Dealers in egg albumen state that a continued good demand is in evidence with consumers freely taking stocks offered on the basis of \$1.08@\$1.10 lb for edible and \$1.06@\$1.09 lb for technical. Quotations from the primary market are said to be on a par with spot quotations.

INDUSTRIAL CHEMICAL SECTION

**Vegetable**—Continues in good demand at unchanged figures of 60c@65c for edible and technical.

## CLAYS AND FILLERS

The market for clays and fillers moved in a routine way during the past week. Contracts for the year have been practically cleared up and no price changes on the domestic materials are looked for. Importers state that their stocks in warehouses are also moving in a manner satisfactory to them and there has been really no change worthy of comment.

## COLORS AND PIGMENTS

**Chrome Yellow**—Has been reduced 1c lb and is now offered at 16c@17c lb spot. This is not attributed to a falling off in interest, but rather to competition for the business, as the demand is good at the moment.

**Chrome Green**—C. P. stocks are in good demand and are offered at unchanged figures of 26½c@28c lb.

**Para Red Toner**—Is a bit easier in the face of competition, but in good demand at 80c@85c lb spot.

**Lithol Toner**—Offered on the same basis as para red with good buying interest.

**Iron Blues**—Factors here state that there is considerable competition and sales are recorded on the basis of 31c@32c lb.

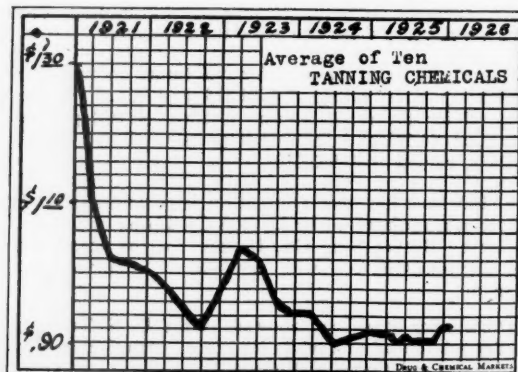
## DYE AND TAN WOODS

**Divi Divi**—Little buying interest in evidence and dealers continue to offer at \$49.00@\$50.00 ton for shipment parcel.

**Mangrove Bark**—Factors state that offerings are being

## Leather Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28% .....	\$3.24	\$3.24	\$3.24	\$3.12	\$17.00	\$1.50
Acid, Formic, 90% ....	.10½	.10½	.10½	.11½	1.50½	.07
Acid, Lactic, 22% dark ..	.05½	.05½	.05½	.05½	.07	.02
Potassium Bichromate ..	.08½	.08½	.08½	.08½	.65	.06½
Epsom Salt, tech .....	1.70	1.70	1.70	1.70	3.75	1.00
Sodium Prussiate .. lb.	.10	.10	.10	.10½	1.25	.18
Soda Ash, 58% wks ..	1.38	1.38	1.38	1.38	4.10	.69
Sodium Bichromate ....	.06½	.06½	.06½	.06½	.45	.04½
Sodium Hyposulfite, pea	2.50	2.50	2.50	2.50	3.75	1.80
Sodium Sulfide, 60% wks	.04	.04	.04	.03½	.10½	.02½
Average .....	0.928	0.928	0.917	0.927	3.267	0.528





made at previous levels with but small interest displayed.

**Myrobalans**—Quotations are heard from \$34.00 to \$42.00 ton as to seller and grade.

**Valonia**—Quoted at former levels with the market quiet. Prices heard this week were: beads \$55.00 ton; cups \$34.00 ton and mixture \$39.00 ton.

**Wattle Bark**—Prices on wattle have advanced a bit this week due to higher freight rates and sellers here are quoting \$40.75 per ton for shipment as the inside figure.

### EXTRACTS

Although there has been only a small revival of interest in the extract market, it is estimated that the consuming trade, who are now operating somewhat under 50% full time, will soon be in a position to take on better supplies of extracts. Until then and at the present moment the market continues quiet, with no price changes of importance.

### FERTILIZERS

**Nitrate of Soda**—This market, in fact the fertilizer market as a whole has been a bit quieter than in previous weeks. With the February schedule for nitrate now in effect, no slacking down in demand is anticipated. On the contrary, a good buying interest is expected almost daily by factors here. In the meanwhile, some parcels are moving in a routine way at the scheduled rate of \$2.71 for February shipment and \$2.72 for positions further along.

**Sulfate of Ammonia**—It is reported that prices are a bit firmer in some quarters but it is still possible to do \$2.95 per 100 lbs. for carload deliveries to the South. The export price continues at \$2.90 f. a. s. New York and is practically nominal.

**Blood**—South American blood has again weakened for shipment and quotations of \$4.00 and 10c per unit are heard. Chicago and New York quotations are unchanged at \$4.25 and 10c per unit, f. o. b. either market.

**Tankage**—A fair sized quantity of South American has passed hands during the past week at \$4.15 and 10c per unit. Domestic ground and unground are unchanged at this writing.

### INSECTICIDES AND FUNGICIDES

**Bordeaux Mixture**—Only a routine interest displayed with quotations unchanged at 11½c lb f. o. b. works. Market is very quiet.

**Calcium Arsenate**—This much abused article has shown no change in the past week, although makers admit that its position is none too strong. It is not expected that any marked activity will be noticed until early spring, when prospective buyers will undoubtedly begin to feel out the market. It is said that there are good sized stocks in southern warehouses.

**Lime Sulfur Solution**—Is unchanged and also quiet with makers naming 12c per lb as the current market.

### METALS

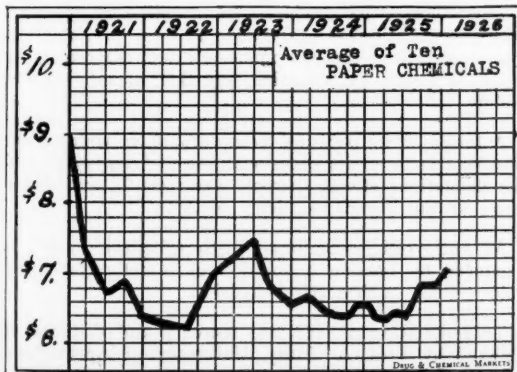
There are reports that sales of antimony for Jan.-Feb. shipment have been made at 19c c. i. f. New York. The spot market is in about the same position as last week, possibly a little firmer, with importers naming 21¾c as the market. Electrolytic copper is unchanged at 14c and lake a shade easier at 14c@14½c lb. Lead is also unchanged at 9¾c@9½c lb for spot goods and 9.05c@9.10c lb. East St. Louis. Silver is quoted at 67c oz.; tin is a shade higher at 62c. Zinc is quoted at 8.40c lb New York and 8.05c East St. Louis.

### NAVAL STORES

**Rosins**—Prices are again off this week, but dealers here report an export demand in evidence. The American buyers are cautious as to committing themselves but are showing a fair interest in the market. The common and medium grades are lower and the high grades are unchanged: B \$13.75; D \$14.00; E \$14.50; F \$14.80; G \$14.85; H \$14.90; I \$14.95; K \$15.65; M \$15.70; N \$16.20; WG \$16.40; WW \$16.70.

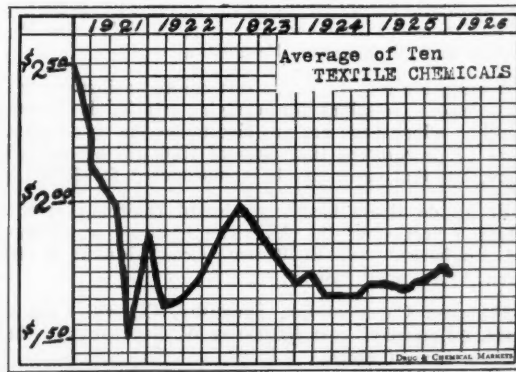
## Paper Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.00	\$2.00	\$2.00	\$2.00	\$5.00	\$1.50
Bleaching Powder	2.00	2.00	2.00	1.90	9.50	1.50
Casein	.13	.13	.13	.12½	.28	.20
China Clay, Dom	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c-l Cyl	.05½	.05½	.05½	.05½	.50	.08
Salt Cake	19.00	19.00	19.00	17.00	80.00	11.00
Sodium Silicate, 40°	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks	1.38	1.38	1.38	1.38	4.10	.69
Sulfur	20.00	20.00	20.00	18.00	65.00	20.00
Resin F grade	14.80	13.80	14.50	8.45	4.50	20.25
Average	7.053	7.106	6.876	6.004	13.50	5.50



## Textile Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.24	\$4.40	\$3.24	\$3.12	\$17.00	\$1.50
Acid, Oxalic	.10¾	.10¾	.10¾	.10¾	.70	.70½
Bleaching Powder	2.00	2.00	2.00	1.90	9.50	1.50
Copper Sulfate	4.40	4.40	4.40	4.70	20.00	4.50
Epsom Salt, USP	2.15	2.15	2.15	2.15	4.25	1.50
Glauber's Salt	1.25	1.25	1.25	1.25	2.50	.80
Potash, Caustic, Imp	.07¼	.07¼	.07¼	.07¼	.87	.12
Soda Ash, 58% wks	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate	.06¼	.06¼	.06¼	.06¼	.45	.04¾
Average	1.761	1.761	1.761	1.784	4.8008	1.25



**Turpentine**—Although the turpentine market in New York had eased off in the early part of the week, it closed with a firm aspect, due to conditions at the source of supply and reports of a good demand in the near future. Factors here quote  $\$1.01\frac{1}{2}$ @ $\$1.05\frac{1}{2}$  gal. as the spot market.

(Special to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Jan. 30—At the close of the current week the turpentine price on this market was generally quoted at 95c with a firm tendency. The demand is much greater than the small receipts are able to take care of and it is reported that withdrawals are being made from the older stocks stored in tanks. It is the opinion of some that the market will advance in the near future if further quantities are not offered for sale. Receipts for the week were 630 bbls.; sales are reported at 277 bbls.; shipment, 1,275 bbls. and Savannah stocks, 12,682 bbls.

Spot offerings of rosin were very small during the past week. 319 barrels were sold to one buyer at the current market and this was the only sale recorded. The tendency at the present moment seems to be to pay a higher figure for the fine grades and a lower price for the medium and common grades. However, the opinion is expressed that a demand will set in for the lower grades, sufficient to check any noticeable decline. Receipts of rosin for the week were 3,919 bbls.; sales 2,661 bbls.; shipments, 6,396 bbls. and stocks today are 73,208 bbls.

Jacksonville, Fla., Jan. 23—There has been a decline in turpentine prices since last week and sales today were recorded at 94c@95c. Some sellers refused bids of 95c which would appear as if the market is on the upward turn. The demand is good and higher prices are looked for next week. The market for rosin is without material change and closed steady. Turpentine stocks are 23,375 bbls.; rosin stocks 100,372 bbls.

#### STARCHES AND DEXTRINS

Sellers in this market of these materials state that there is a very healthy demand at this time with the consumers showing a lively interest in the market. Domestic potato starch is offered firm at  $5\frac{1}{2}$ c@6c lb spot, with imported quoted at the same figures. Tapioca is also quite firm with factors here quoting  $4\frac{1}{2}$ c@5c for the high grades;  $3\frac{1}{2}$ c@4c for medium and low grade at 3c@ $3\frac{1}{2}$ c. Sago flour is quoted at unchanged figures at  $4\frac{1}{2}$ c@5c.

Stockholders of the Nassau Fertilizer & Oil Co., Fernandina, Fla., have elected the following officers and directors: President, J. B. Guess, Jr., Denmark, S. C.; treasurer, Hinton J. Baker, Fernandina; superintendent, J. R. McClellan, Fernandina; directors, W. H. Faust, Denmark, S. C.; J. L. Coleman, Silver Street, S. C.; J. R. Townsend, Lenheim, S. C.; A. S. Allan, Ira W. Hardee and W. T. Haile, Fernandina.

A campaign is to be begun this month against foreign corporations re-selling or carrying stocks in North Carolina which have not qualified under the corporation laws. It is rumored that fines of \$500 will be insisted upon, but that cases can be compromised for \$250.

F. M. de Beers has been elected chairman of the Chicago Section of the American Institute of Chemical Engineers. W. B. Brown, vice-chairman; B. B. Freud, secretary-treasurer.

Frohman Chemical Co., Sandusky, O., will build a plant, estimated to cost \$60,000 at W. Sandusky for the manufacture of glues.

## Science and Sales

"The Manufacture of Superphosphates," a book by A. C. Hyde of Perivale, Middlesex, England, deals with the production and working of phosphate rock. It dwells on the subject of the reaction between natural phosphate rock and sulfuric acid in such a manner as to produce a complete continuity of working instead of the usual discontinuous process. The ore is ground to a sufficient fineness to pass through a 200 mesh screen and is projected into the reaction chamber in the form of a dust cloud. Sulfuric acid is used at its ordinary concentration and is sprayed into the chamber to mix with the ore dust. Under these conditions, the chemical reaction is instantaneous, and as concentrated acid is employed, it is unnecessary to dry the product, and it may be packed in bags at once. In the event of a less concentrated acid being used, some drying of the product may be necessary. The temperature of the process may be about 15° C. or may be considerably higher.

Several fatty acids and their potash salts in addition to lanoline are contained in the effluent from wool-washing factories. Esters of cholestrol are also contained. When the effluent is passed through an ultra-filter, the salts of the lower fatty acids, such as acetic, propionic and butyric pass through, while lanoline, higher fatty acids and cholestrol remain on the filter. French Patent No. 527,543 describes the most suitable membrane for filtration as one made from nitro-cellulose, or preferably from regenerated cellulose obtained by denitration of nitro-cellulose or from a cupra-ammonium solution.

The search for substitutes for linseed oil goes on. According to Brit. Pat. No. 239,878, decamphorated oil of turpentine, obtained in the manufacture of synthetic camphor, is refined with sulfuric acid, alkali, air or other oxidizing agents and sweet-smelling drying oils are obtained, which when halogenated, solvents are obtained. Mercury or copper is used as a catalyst in the process.

A flexible glass, weighing about half as much as ordinary glass and being colorless and transparent, has been discovered by Austrian scientists, says a radiogram from London. New material said to be non-inflammable and transmits ultra-violet rays, and costs about same as ordinary glass.

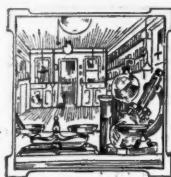
Alloying of aluminum with other metals producing materials for automobile bodies has been demonstrated by a German electrical engineer, says a Berlin dispatch. The surfaces of the alloys are said to resemble glazed porcelain and do not show scratches.

Thymol may be produced by coupling 2. cyimidine with an aromatic diazo compound to form an amino-azo dye, deaminating the compound, cutting the remaining molecule in two by reduction, and then diazotizing and boiling.

A thesis on intoxication from veronal, in which mention was made of its occasional use in "coquetels" and the deleterious effects thereof, was recently awarded a prize by the French Academy of Arts.

An antipyretic, o-acetoxy-p-methoxybenzoic acid is produced by heating a solution of p-methoxy-benzoic acid in ether with acetic anhydride.

Transmutation of lead into mercury and thallium, is claimed by Prof. A. Smits, University of Amsterdam.



# Drug & Fine Chemical

## SECTION



## Lemon Oil Shows Unusual Advance

**Higher Prices Prevail During Normally Dull Season—Italian Crop Believed Short—Always a Highly Speculative Item—European Market for Fruit and Juice Reopening—Other Messina Essences and American Lemon Also Affected**

Lemon oil has always been an exceedingly speculative item, and the recent unusual price trend in that item was at first taken by some merely as the result of speculation. But subsequent developments seem to disprove that theory and point toward an authentically higher priced market. The situation, as it appears on the surface is briefly that lemon oil shows an advancing price at a season, when lower prices would normally be expected. Most of the crop has been harvested and actual consuming demand has not yet set in. The logical result of such circumstances would be a tendency to let some of the stocks go at whatever price they could command at the present, especially as many of the growers in Italy, are not financially so situated that they can well afford to wait and hold their goods for the opening of the buying season. On the contrary, however, prices have shown a steady advance for the past month or two. Such a result might readily obtain for a short period if some of the larger holders could arbitrarily advance their prices and hold to them. But the situation seems to be so well sustained that such a supposition seems unlikely at this time. The Italian oil industry is so decentralized that it would be difficult to control, and the number of individuals engaged is so large that some few would be sorely tempted to break when prices reached higher levels. Since no such break has occurred, it seems evident that the present rise is not artificial.

Ever since the storm swept over the fruit growing district in Italy last November, there have been conflicting reports as to its effect on the crop. Some factors have stated that the storm had knocked down much of the fruit that would normally have been sold as such, and that this would now have to be turned into oil. Other factors stated that a large portion of the fruit was totally destroyed and hence both the fruit and oil shipments would be much smaller this year. Recent developments would seem to bear out the latter analysis, if the storm did have any actual effect on the situation. No crop figures or comparative estimates are available, but the consensus of opinion among importers here is that the crop is not so large this year as it has been heretofore.

Coupled with the crop situation, is the fact that Europe is again buying the fruit and hence opening a competitive market. Prior to the war Europe was a large buyer of lemons from Italy for flavoring and beverage purposes, especially the latter. During the war this trade fell off to a marked degree, especially in Russia, which was one of the largest markets for the fruit. With the rather rapid recuperation of the European financial position during the past year, and the returning of Russia

to world trading, this market has again opened up and has naturally made a wide swath in the oil market.

American oil, which has held a secondary position in the market, has naturally reflected the Italian market to a certain extent and has also advanced. Orange and bergamot oils have also been affected because of their close relation to lemon oil, but the effect here has been one of increased firmness rather than any radical advance in the price.

### NO COUNTERVAILING DUTY ON METHANOL (Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Feb. 3.—The Customs Service holds that no countervailing duty can be assessed on synthetic methanol from Switzerland as requested by American methanol makers, owing to a report by officials of the Customs Service abroad that the bounty previously paid to a Swiss manufacturer is no longer in effect.

The methanol tariff report of the Tariff Commission will be placed before the Advisory Board of the Commission within two weeks. The domestic costs are tabulated, but the German manufacturers refused to divulge their costs to American investigators and the Commission will have to use invoice prices in tabulating its foreign costs.

Proceedings of the convention of the American Drug Mfrs. Association, held at the Hotel Biltmore, New York, April 20-23, 1925, have been published in book form by the association, with a full-page half tone engraving of S. R. Light, president, as a frontispiece.

William Wrigley, Jr., Co. has purchased a tract of land in London, Eng., for construction of plant costing between \$500,000 and \$1,000,000. This will make the third plant to be built in Europe, the others being in Germany and Austria.

The directors of Boots Pure Drug Co., England, have recommended to the shareholders that the capital be increased to £2,900,000 by the issuance of 500,000 additional participating £1 shares.

Canadian Industrial Alcohol Co. has elected Lord Shaughnessy president to succeed J. H. Waddell, resigned.

E. Atkins & Co., New York, have secured the services of C. A. Mackintosh, formerly with Canadian Industrial Alcohol Co.

Harwood Drug Co., New York, has moved its offices from 98 Water st. to 258 West 29 et.

W. A. Munn, of St. Johns, N. F., codliver oil factor, will visit New York in this month.



# The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, see Chemical pages 338-356

## ALCOHOL REDUCTION BECOMES GENERAL

Resellers Quoting Below Manufacturers on Many Items—First Hand Prices Generally Unchanged—Menthol and Mercury Quiet—Alkaloids Shaded by Resellers—Codliver Oil Easy—Thymol Lower—Quinine Open to Shading

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

#### Advanced

Eserine Sulfate, \$6.00 oz.

#### Declined

Alcohol, 13 1/2 c gal.  
Caffeine Alk., sec. hds., 10c lb.  
Guaiacol Carbonate, sec. hds., 10c lb.  
Podophyllin, sec. hds., 10c lb.  
Thymol, 15c lb.  
Yohimbine Hydrochloride sec. hds., 25c oz.

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$3.35	\$3.35	\$3.35	\$3.35	\$2.00	\$2.20
Acid Citric Import	.45	.45	.45	.46	1.25	.45
Caffeine, Alkaloid	3.75	3.75	3.75	3.75	13.00	3.65
Calomet, American	1.45	1.45	1.45	1.37	3.43	.90
Camphor, Jap ref	.73	.73	.71 1/2	.66	3.55	.41
Iodine, Recubimed	4.65	4.65	4.65	4.65	6.00	3.75
Menthol	6.25	6.25	7.25	11.50	13.50	3.00
Potassium Bromide, Cryst.	.45	.45	.45	.45	4.30	.80
Quinine Sulfate Imp	.50	.50	.50	.50	.90	.25
Sodium Salicylate	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate	.42	.42	.42	.49 1/2	1.05	.50
Average	1.761	1.761	1.844	2.24	5.92	1.56

Activity in fine chemicals was good during the week, although demand was reported as slightly less than during the previous two or three weeks. In manufacturers prices there were no developments of importance, but goods were generally reported as moving well and producers operating steadily. A number of items held in outside hands come in for price shading during the week, especially in the alkaloids and the market for thymol was relieved greatly by presence of new stocks. Japanese camphor is now in a firm position on spot, more in keeping with the position in Japan for the past couple of months. Menthol seems at last to have steadied down to a fixed price and trading in that item is reported fair. Mercury is in very poor demand with prices bolstered up by replacement values. Large manufacturers of alcohol have brought their prices more nearly in line with the spot market.

**Acid, Benzoic**—Goods are still offered at prices below manufacturers' figures, but normally active demand continues with no shading in first hands at 60c lb.

**Acid, Carbolic**—Demand is very quiet with prices steady and unchanged.

**Acid Citric**—Imported goods are offered at 44 3/4c@45c lb with domestic goods in control of the market at their recent reductions to 45c@45 1/2c for the crystals and 46c@46 1/2c lb for the powder.

**Acid, Salicylic**—Routine demand continues with goods moving in fair volume and prices firm and unchanged.

**Acid, Tartaric**—Prices have shown no change on spot, but they are generally expected to react to replacement levels for the imported. Activity is reported good with the situation much firmer.

**Alcohol**—The large distillers have reduced their price on denatured No. 5, to 40c gal. in carlots of drums, thus

bringing their price more nearly in line with other lots. Goods are now available in the New York market at 36c@38c gal. in drums, and it is thought that even better could be done. Denatured No. 6, is no longer being made, but such stocks as are on hand can be disposed of. The market shows no basic change.

**Alkaloids**—Eserine sulfate has been advanced to \$24.00 \$24.50 oz. There are a number of lots offered in resale quarters at prices lower than manufacturers' quotations, which have not changed. Caffeine is so offered at \$3.40@3.50 lb; hydrastine alkaloid is offered at \$18.75@19.00 oz.; pilocarpine hydrochloride at \$2.50 @2.75 oz.; spartein at 55c@58c oz., and yohimbine hydrochloride at \$2.75@3.00 oz.

**Amidopyrine**—Normal trading continues at unchanged prices.

**Antipyrine**—Activity is very good and manufacturers report no difficulty in moving goods at steady prices, despite the presence of some lots offered at a trifle below their figures.

**Bromides**—The spot market has shown little effect of the Ethyl Gas situation although there has been some tendency to stiffen the price. Replacement values for imported goods are higher but spot prices are unchanged. Domestic prices are also unchanged.

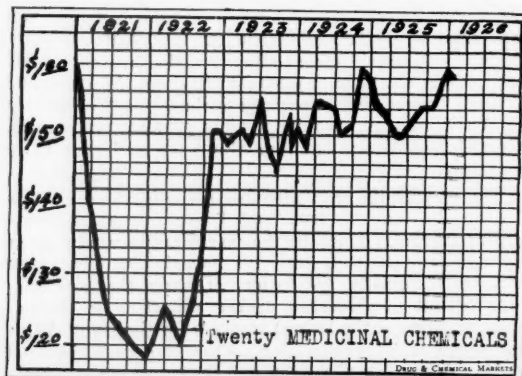
**Camphor**—The market is firm at the recent advance to 73c lb for refined Japanese slabs and goods are moving well at that price. Powdered is offered at 74c with ounce and half ounce cakes at 83c lb. Domestic refiners have not changed their prices.

**Chloramine**—Market is steady with goods moving normally at recently advanced price of \$1.75 lb for the U. S. P. in barrels.

**Codliver Oil**—Norwegian holders have shown a decidedly easier tendency and are somewhat inclined to unload before the new catch comes in. Replacement positions are now in line with the spot market which is easy at \$36.50@39.00 as to brand and quantity.

**Cream of Tartar**—Demand is reported to be on the increase with prices for both imported and domestic unchanged.

**Formaldehyde**—Market is active with demand good and manufacturers producing at capacity. Prices are firm and unchanged.





**Fusel Oil**—Market is very quiet and prices are unsteady. Producers are constantly trying to maintain prices but with apparently little success.

**Glycerin**—Activity has been very quiet and European producers have shown a little tendency to price shading. Quotations have shown no change, with C. P. at 25c, dynamite at 23c, saponification at 17c and soap lye at 15c.

**Guaiacol Carbonate**—Demand is reported as active with resellers lower at \$2.00@\$2.10 lb. Manufacturers are unchanged in their price of \$2.50@\$2.75 lb.

**Iodine**—Steady tone prevails with prices steady. Some lots are available at somewhat below schedule prices but are understood to be rather small.

**Iron Salts**—Routine movement reported with prices steady and unchanged.

**Menthol**—This item seems to have ceased its spectacular career and settled to a steady price of \$6.25@\$6.50 lb. Japan is steady with some stocks of crude oil still unbought and the spot market here is quiet with normal trading in evidence.

**Mercury**—Prices on this market are maintained by replacement values which are high. Spot demand is quiet and little metal is moving.

**Mercurials**—Normal trading is reported at unchanged prices.

**Methanol**—Market is very firm with the production of most of the operating plants sold up. Prices are unchanged and steady.

**Podophyllin**—Manufacturers are firm at \$4.25@\$4.50 with resellers at \$4.15@\$4.20 lb.

**Potassium Guaiacol Sulfonate**—Market is exceedingly quiet with first hand prices unchanged. Second hands are offering at \$1.35@\$1.40 lb.

**Quinine**—Open quotations of 50c lb for the sulfate are admittedly shaded by a number of factors and lower prices are expected in some quarters.

**Thymol**—Easier stock positions have brought about a reduction in the price of this item to \$3.95@\$4.00 lb.

## SQUAD TO TRACE DIVERTED ALCOHOL

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Feb. 3—L. C. Andrews, Assistant Secretary of the Treasury in charge of prohibition, says the department contemplates the organization of an independent alcohol squad to operate without regard to the Prohibition District line in the matter of securing evidence of law violations connected with the diversion of alcohol into illegitimate channels.

As a first step toward this organization, says the Secretary, J. A. Foster is organizing a squad which will operate in the New York and Pennsylvania Districts. This explains also reports being circulated to the effect that Mr. Foster will supplant William G. Murdock in Philadelphia.

Drawbacks allowed on certain designated medicinal preparations manufactured by Monsanto Chemical Works, St Louis, with the use of imported material have been extended to provide for payment of drawback on acetyl salicylic acid (aspirin) manufactured by this company with the use of imported acetic anhydride.

Camphor trees grown experimentally by the Forestry Department, Uganda, have been found to yield approximately 1.8 per cent of camphor on distillation over steam. This compares favorably with trees grown in other regions, according to "The Chemist and Druggist," London.

## PHENOL VERY ACTIVE IN LONDON

**Advances Announced in Oil Lemon, Carnauba Wax and Hydrastis**—Oil Orange and Cascara Firmer, and Prices Easier for Quinine, Eucalyptus Oil, Vanillin and Cream Tartar—Mexican Sarsaparilla and Castor Oil Lower

(Special Radiogram to DRUG & CHEMICAL MARKETS)

London, Feb. 3—Trading is quiet, but a few products are higher owing to increased demand. Carbolic acid is very active and higher at 5¼ f. o. b. Other advances are in lemon oil, carnauba wax and hydrastis.

Prices are firmer for oil orange and cascara sagrada, and easier for quinine, eucalyptus oil, vanillin and cream tartar.

Quotations are lower on Mexican sarsaparilla, linseed oil, castor oil, shellac and platinum.

London, Jan. 23 (By Mail)—Trading in crude drugs is quiet in the absence of buyers and an easier feeling for speculative market favorites, notwithstanding the known large "bear" interests uncovered therein. This last element has no doubt materially checked a further reduction in values. Drugs generally are quiet but firm, and heavy chemicals are in fairly good demand at sustained rates.

Reports from the producing districts go to confirm the correctness this year of the earlier forecasts of a short crop of oil lemon. It would now appear that this season's output will be 40% short of 1924. The export demand for boxed green fruit has been unusually brisk of late and has displaced and delayed the making of essence. Up to 7s 6d per lb c. i. f. has been cabled from Messina for good brands, while London spot stocks, usually considerable, have been heavily drawn upon and at present are held at 7s to 7s 3d per lb.

Eserine has advanced and is now quoted: pine crystals at 5s per gram and sulfate at 3s 9d per gram.

Juniper berries are getting scarce and 27s 6d per cwt. is now wanted. In consequence the oil of B. P. quality has been advanced to 8s 9d per lb.

Carbolic acid crystals are decidedly firmer, large bulk being now quoted at 4¾d to 4¾d per lb f. o. b.

Codliver oil, Norwegian, has declined to 137s 6d per bbl. f. o. b. Bergen.

Cocoa butter of Dutch make is selling at the higher price of 1s 4d per lb while in auction 200 cases from Brazil were sold cheaper at 1s 1d per lb, probably accounting for the reduction in theobromine to 11s 3d per lb.

Shellac has declined 5s per cwt. for T. N. orange to 172s 6d c. i. f. Jan.-Feb. shipment.

Japan mint oil—The market here is demoralized and forced sales have been made of 300 cases at 10s 6d to 11s per lb for Jan.-March shipment. Spot, London, 16s to 16s 6d per lb c. i. f.

Prohibition administrators have been advised to notify permittees, that orders for non-beverage alcohol must specify gallons and multiples thereof. This action has followed complaint due to the inability of wholesale distributors to fill orders for fractions of gallons.

The wood distilling plant of the Hajnowka concern at Bralowischer Urwald, Poland, is to close down indefinitely owing to financial difficulties. This plant is one of the largest in Europe.

Fisher Scientific Co. is the new name of Scientific Materials Co., Pittsburgh. The company has issued a new catalog of laboratory reagents and apparatus.

DRUG AND FINE CHEMICALS

# The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 357-362

## VALERIAN ROOT ADVANCES ON SPOT

**Stocks Limited—Saw Palmetto Berries in Much Firmer Position—Belladonna Root, Zanzibar Cloves, Irish Moss, Stramonium Leaves Higher—Aconite Root, Buchu Leaves, Small Manna, Peppers, Prickly Ash Berries, Spanish Saffron Lower**

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

#### Advanced

Aletris Root, 2c lb.  
Belladonna Root, 1c lb.  
Cassia, Saigon, 1/4c lb.  
Cloves, Zanzibar, 1/4c lb.  
Cochineal, 7c lb.  
Deer Tongue Leaves, 5c lb.  
Elemi Gum, 4c lb.  
Isinglass, Amer., 5c lb.  
Moss Irish, bleached, 1c lb.

Mustard, Chin., 1/4c lb.  
Pink Root, 2c lb.  
Poppy Seed, 1/4c lb.  
Rhatany Root, 1c lb.  
Saw Palmetto Berries, 1c lb.  
Stillingia, 1c lb.  
Stramonium Leaves, 1/4c lb.  
Valerian Root, 2c lb.  
Willow Bark, 1c lb.

#### Declined

Aconite Root, 1c lb.  
Anise Seed, 1/4c lb.  
Amber Sorts, 1/4c lb.  
Bayberry Bark, 1c lb.  
Buchu Leaves, 4c lb.  
Buckthorn Bark, 1/4c lb.  
Caraway Seed, Dutch 1/4c lb.  
Cardamoms, green, 10c lb.  
Carnauba Wax, 1c lb.  
Cassia, Bat. No. 1, 1/4c lb.  
Celery Seed, 1/4c lb.  
Corn silk Herb, 1/4c lb.  
Cubeb Berries, 2c lb.  
Dill Seed, 2c lb.

Euphorbia Piliifera, 1/4c lb.  
Galangal Root, 1/4c lb.  
Ginger, Afr., 1/4c lb.  
Larkspur Seed, 10c lb.  
Linden Flowers, without, 1c lb.  
Lupulin, 5c lb.  
Manna, small, 5c lb.  
Marjoram Leaves, French, 1c lb.  
Olibanum Siftings, 1/4c lb.  
Pepper, 1/4c lb.  
Prickly Ash Berries, 5c lb.  
Rose Petals, pale 3c lb.  
Saffron, Span., 50c lb.  
Stavesacre Seed, 1c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, USP. ....	\$ .26	\$ .26	\$ .26	\$ .33	\$ .90	\$ .42
Buchu Leaves, Short ..	.54	.57	.58	.79	4.00	.85
Cantharides Russian ..	.60	.60	.60	.85	9.00	2.10
Cocculine Indicus .....	.08	.06	.07	.08 1/2	.85	.03
Ergot, Spanish .....	.74	.74	.75	.60	4.50	.54
Insect Powder, pure ..	.29	.29	.29	.40	1.00	.28
Ipecac, Cartagena, powd.	3.65	3.55	3.30	2.50	4.50	1.35
Nux Vomica .....	.05	.05	.05	.05	.14 1/2	.07
Opium gum .....	12.00	12.00	12.00	12.00	30.00	5.00
Rhubarb Root, H D .....	.35	.35	.35	.33	1.75	.15
Tragacanth, No 1 ribbon	1.65	1.65	1.65	1.15	6.00	1.50
Wild Cherry Bk. Thin nat	.07 1/2	.07 1/2	.08	.08 1/2	.21	.07
Average .....	1.607	1.701	1.670	1.57	5.28	1.60

The crude drug market is generally reported in a good condition with normal steady demand in evidence. Most factors reported January as being a satisfactory month with February starting off well, although orders were not quite so plentiful during the first of the week. The features of the market are the advance in Belgian valerian root, which was predicted some time ago, and a comparative shortage in saw palmetto berries. In each of these cases there is one holder who offers goods at a slight advance over recent prices but the majority are quoting much higher prices. Aconite root is easier with reliable sellers now quoting lower prices in buchu. Belladonna root and Irish moss are higher.

### Botanical Drugs

**Aconite**—Root is a trifle easier, one holder offering at 25c lb with others asking 26c@29c lb. Leaves are unchanged.

**Aletris**—Price has again advanced and root is now held at 42c@43c lb.

**Anise**—Spanish seed is easier at 12 1/4c@13 1/4c lb with star at 15c@16c lb.

### DRUG AND FINE CHEMICAL SECTION

**Balsams**—Activity continues good with all prices unchanged since the recent reduction in Tolu.

**Belladonna**—Root is firmer and the price has advanced to 16c@18c lb with leaves unchanged at 24c@25c lb.

**Buchu**—Spot market continues very unsteady and the price is generally lower at 54c@58c lb with lower prices heard in some directions. Replacements are above this level.

**Cardamom Seeds**—Bleached bold are now nominal at \$2.50@\$2.80 lb with green grinding grades easier at \$1.35@\$1.45 lb.

**Cascara Sagrada**—Market is very firm with prices unchanged.

**Celery Seed**—Price is easier at 22 1/4c@23c lb.

**Cubeb Berries**—The XX berries are lower in price, now being quoted at 58c@60c lb. Powdered is unchanged.

**Dandelion**—Root is again firm at 18c@20c lb, with market quiet.

**Deer Tongue Leaves**—Stocks remain scarce and the price has advanced to 25c@35c lb as to holder.

**Digitalis**—Activity remains normally good with prices firm and steady.

**Ergot**—The firmer undertone is making its effect evident and prices are firmer, with most holders now asking the advanced figure of 77c@80c lb.

**Goldenseal Root**—Stocks continue in a firm position and price is steady at \$4.85@\$5.25 for whole and \$5.45@\$5.50 for powdered.

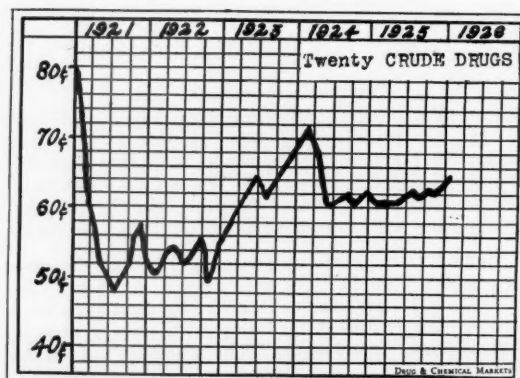
**Ipecac**—Situation remains basically unchanged with some Rio root offering at \$3.25@\$3.30 for the whole and \$3.60@\$3.65 for the powdered.

**Larkspur Seed**—This is offering more freely at \$1.90@\$2.10 lb.

**Linden Flowers**—Flowers without leaves are easier at 20c@25c lb. Flowers with leaves unchanged at 12c@15c lb.

**Lupulin**—This item is easier at \$1.70@\$1.75 lb for N. F.

**Lycopodium**—Market very quiet and some lower



prices are quoted. General market unchanged at 90c@95c lb.

**Manna**—Small flakes are easier at 40c@48c lb with large flakes unchanged.

**Marjoram**—French leaves are easier at 46c@47c lb with no change in other varieties.

**Moss**—Bleached Irish moss is higher at 12c@13c lb with other varieties unchanged.

**Orris**—Market is very firm with prices unchanged.

**Poppy Seed**—Dutch seed continues to advance and is now held at 13¼c@15c lb.

**Prickly Ash Berries**—Price is lower at 70c@75c lb.

**Rhatany Root**—Market is steady with price advanced to 11c@12c lb.

**Rhubarb**—Market is unchanged with prices steady.

**Rose Petals**—Pale petals are lower at 24c@28c lb with the red unchanged.

**Saffron**—Price has declined to \$28.00@28.50 for the Spanish with American unchanged.

**Sarsaparilla**—No relief is seen in this market and no goods are available on spot.

**Saw Palmetto Berries**—Stocks are again scarce and the price has advanced in some directions to a nominal figure of 35c lb, although one holder is still selling at 25c.

**Stillingia**—Root is higher at 11c@12c lb with market steady.

**Stramonium Leaves**—Market is higher at 12½c@13c lb.

**Valerian Root**—As recently predicted, the price has advanced and 27c is now inside with very few factors meeting that. Market ranges 30c@33c lb.

#### Spices

**Cassia**—Batavia No. 1 is lower at 10¾c@11c lb with Saigon higher at 27½c@28c lb.

**Cloves**—Market has recovered somewhat and the price is again higher at 26c@26¼c lb.

**Ginger**—African is lower at 14¼c@14½c lb with other varieties unchanged.

**Mace**—Stocks of Banda No. 1 are off the market for the moment and the price is nominal at \$1.10 lb.

**Mustard**—Chinese yellow mustard is higher at 5¾c@6¼c lb with other varieties unchanged.

**Pepper**—Black peppers are easier at 31c@33c lb with whites lower at 36c@37c as to source. Japanese red chillies are also lower at 15c@16c lb with Mombassas down to 10c@10½c lb.

#### Gums and Waxes

**Arabic Gum**—Amber sorts are offered on the market now at 13c@13½c lb with other grades unchanged.

**Asafetida**—Remains very scarce and high. No further price changes are recorded.

**Beeswax**—White is firm at 56½c@58c lb with no change recorded in market.

**Carnauba Wax**—No. 3 is easier at 36c@38c lb with prospects of still lower prices in another month or two.

**Olibanum Gum**—Siftings are easier at 10½c@12c lb with tears at 11c@18c lb as to grade.

**Sandarac Gum**—Spot prices are unchanged but goods are offered for arrival at 35c@36c lb.

Sir Richard Winfrey, Pharmaceutical Chemist, England, is in this country addressing conferences under the auspices of the Methodist Episcopal Church.

Burt H. Goddin, president and manager of Universal Chemical Products Corp., New York, has been home for some time ill with intestinal gripe.

## CODLIVER OIL EXPORT DUTY IN NORWAY

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Feb. 3.—A duty has been imposed on codliver oil exported from Norway, effective Jan. 1, 1926, according to consular advices to the Department of Commerce. The duty is reckoned as follows:

Steam purified codliver oil, clear oil, and "surtran," in barrels or casks, 0.50 crown per barrel; in other packing, 0.005 crown per kilo.

Brown and light brown oil are not subject to this duty, which will, however, affect oil for industrial purposes inasmuch as no distinction will be made between clear oil for medicinal purposes and that for industrial use.

## SECRETARY WATERBURY LEAVES N. W. D. A.

Secretary C. H. Waterbury severed his connection with the National Wholesale Druggists' Association on Dec. 31, and has accepted an executive position with Lehn & Fink Products Co. in charge of wholesale sales and contacts. Mr. Waterbury joined the N. W. D. A. in 1918 and has been Secretary since 1921. E. L. Newcomb has been elected secretary. F. E. Holliday will remain as general representative and have charge of the New York office during the absence of Mr. Newcomb, who will spend the next few months contacting the various branches of the drug industry.

Net sales of drugs in Philadelphia during December exceeded materially the sales in November, according to the monthly report of the Philadelphia Federal Reserve Bank. At present, says the bank, various drugs are in slightly more active demand than they were during December and despite small advances in several items prices remain about the same as last month. Collections are fairly prompt.

The Drug and Chemical Section of the New York Board of Trade and Transportation has sent to Representative Park, chairman of the House Interstate and Foreign Commerce Committee, a request that H. R. 3904, known as the Misbranding Act of 1925, and also known as the "Truth-in-Fabrics" bill, be so amended as to specifically exempt foods, drugs, insecticides and fungicides.

C. Mahlon Kline, of Smith, Kline & French, was re-elected president of the Philadelphia Drug Exchange at the annual meeting last week. Other officers elected are: Herbert R. Mollvaine, vice-president; Joseph W. England, secretary and A. L. Hilles, Jr., treasurer. The Exchange held its annual banquet in the Bellevue-Stratford.

William A. Brown & Co., New York, have been sustained in a customs appeal and certain Chinese drugs imported by them have been found dutiable at 10 per cent ad valorem as crude drugs, rather than at 25 per cent ad valorem under paragraph 27 of the tariff act of 1913 as originally assessed.

William Wallace Savage, Ph. C., Brighton, England, died at his home on Dec. 25, 1925, at the age of eighty-six. Mr. Savage succeeded his father in the pharmaceutical business. He was well known in British pharmaceutical circles.

G. R. Rinke, vice-president of John Powell & Co., New York, is taking an extended trip in which he is combining business and pleasure.

Pepper exports from Sierra Leone during 1924 amounted to 247,342 lbs., as compared with 328,188 lbs. in 1923 and 278,516 lbs. in 1922.



# The Essential Oil Market

Current Spot Quotations for Essential Oils, pages 362-364, Aromatic Chemicals 365

## OIL LEMON ADVANCES MORE RAPIDLY

Apricot Kernel, Expressed Limes, American Orange, and Patchouli Oils Advance—Redistilled Cassia, Ceylon Citronella, Coriander, Geranium, Pimento and Spearmint Oils Decline—Peppermint Quiet—Shading Reported in Terpineol—Citronellol and Diethyl-Phthalate Easier

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Oil Apricot Kernel, 8c lb.		Oil Orange, Am. 20c lb.	
Oil Lemon, 50c lb.		Oil Patchouli, 50c lb.	
Oil Limes, exp., 25c lb.		Geraniol, 50c lb.	
Oil Cassia, redist., 15c lb.		Oil Pimento, 25c lb.	
Oil Citronella, Cey., 2c lb.		Oil Spearmint, 75c lb.	
Oil Coriander, 25c lb.		Citronellol 50c lb.	
Oil Geranium, 40c lb.		Diethyl Phthalate, 3c lb.	

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot .....	\$5.40	\$5.40	\$5.40	\$3.45	\$7.00	\$5.00
Oil Citronella Ceylon ..	.48	.50	.48	.75	1.02	.60
Oil Cloves .....	1.90	1.90	1.85	1.90	3.70	1.40
Oil Lemon, Italian ....	3.00	2.50	2.05	.95	1.70	2.00
Oil Peppermint Nat .....	26.00	26.00	27.00	12.00	9.00	2.24
Oil Sandalwood, E I ..	7.10	7.10	7.10	7.35	14.00	5.25
Oil Sassafras, Artif ..	.27	.27	.27	.35	1.00	.26
Coumarin .....	3.10	3.10	3.10	3.25	31.00	3.10
Benzaldehyde, C. S. P. .	1.15	1.15	1.15	1.50	5.15	1.50
Methyl Salicylate Cans .	.43	.43	.43	.47	1.00	.85
Vanillin .....	.49	.49	.49	.49½	.95	.20
Average .....	4.620	4.572	4.62	2.95	6.83	2.05

Interest in the essential oil market still centers around lemon oil which has advanced more rapidly this week than at any time during its recent unusual activity. Naturally this has had some effect on other Messina essences as well as on American oils of lemon and orange. Oil apricot kernel and oil patchouli also staged advances while oil limes remains very scarce and the nominal price for the expressed has advanced further. Either lack or absence of interest or pressure from stocks have caused some of the oils to decline in price. Lack of interest has affected spearmint and geranium while presence of lower priced oils has caused the spot market to sag in coriander, cassia, citronella and pimento. General activity in the buying market continues good and sellers are optimistic for the future of the market. Aromatic chemicals show few changes of importance. Citronellol and diethyl phthalate are both easier in price while terpineol is reported to be shaded in some instances. Geraniol is very firm with no change noted in menthol, coumarin, benzaldehyde, or vanillin.

### Essential Oils

**Oil Almond**—Strength continues to characterize this market with no change in prices. U. S. P. is firm at \$3.00@\$3.25 lb.

**Oil Anise**—Market is quiet with a little uneasiness evident, due to presence of comparatively large stocks. There is little selling pressure, however.

**Oil Apricot Kernel**—The advancing tendency seems to have been borne out and prices have advanced to 65c @68c lb.

**Oil Bergamot**—Most holders have advanced their

prices to \$5.75@\$6.00 lb although former quotations are still possible.

**Oil Cananga**—Market is very strong at unchanged prices.

**Oil Cassia**—The market is much easier and redistilled is now down to \$3.00@\$3.15 lb. Replacement prices are rising and higher prices are anticipated on spot as soon as present stocks are removed.

**Oil Citronella**—Spot stocks are against easier at 48c@50c lb in drums and 50c@51c lb in cans for the Ceylon. Java oil shows no change.

**Oil Cloves**—Market is very firm at recently advanced price. No further change is noted.

**Oil Coriander**—U. S. P. oil is lower at \$8.25@\$8.50 lb on a firmer condition in the market.

**Oil Erigeron**—There has been no further change in this situation with the market firm at recently quoted prices.

**Oil Geranium**—This market continues easier and prices have again declined. Bourbon is now available at \$3.35 @ \$3.75, African is down to \$4.10@\$4.50, and Turkish is unchanged.

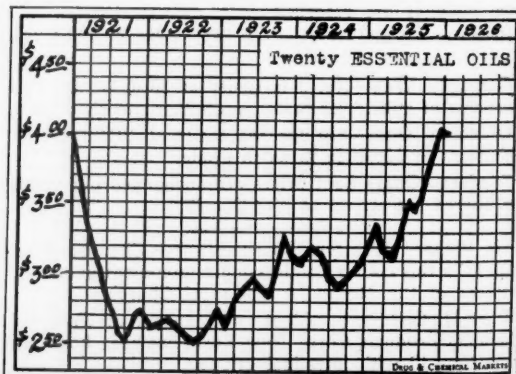
**Oil Lemon**—The advance this week has been more than ever noticeable. Italian oil is now up to \$3.00@\$3.25. American oil has been advanced sympathetically to \$2.50@\$2.75 lb.

**Oil Limes**—Expressed oil limes is extremely scarce and any stocks are now held at \$6.75@\$7.00 lb. Redistilled is also scarce, but the price is unchanged at \$2.75@\$3.00 lb.

**Oil Orange**—This oil is affected somewhat by the lemon oil situation and is firm. Prices are unchanged for Italian oil but American oil has advanced to \$3.00@\$3.10 for the expressed with distilled at \$1.65@\$1.75 lb.

**Oil Patchouli**—Another advance has featured this market and the price is now up to \$6.25@\$6.50 lb.

**Oil Peppermint**—There has been no real change in this market, which is weak with practically no buying interests in evidence. Prices are generally unchanged, although some lower quotations are heard. The trade is of the belief that these lower quotations are made in an attempt to depress the market artificially.





**Oil Pimento**—Some goods have been received recently that were below normal in quality and the price has generally declined to \$5.25@\$5.75 lb.

**Oil Spearmint**—Lack of buying interest has further reduced the price of this item and it is now quoted at \$11.00@\$11.50 lb.

**Oil Wormseed**—Market is a trifle easier and the price has declined to \$6.00@\$6.25, although it is rumored that even better could be done in some directions.

#### Aromatic Chemicals

**Benzaldehyde**—There has been no change in this items which is moving steadily at unchanged prices.

**Citronellol**—Makers are offering at the lower price of \$6.50@\$7.50 lb with no change in basic situation.

**Diethyl Phthalate**—Market is easier at 32c@35c lb as to quantity and holder.

**Geraniol**—Makers are quoting \$3.00@\$3.50 as to quantity with the market very firm.

**Musk**—Market is reported steadier and additional firmness is noted. Ambrette is quoted at \$8.00@\$10.00 lb, ketone at \$10.00@\$11.00, and xylene at \$2.65@\$3.25 to holder. The upper figure is inside for some makers now.

**Menthol**—Market has shown no change lately with buying quiet and prices unchanged. Rumors are heard of \$6.00 menthol, but most holders are unchanged at \$6.25@\$6.50 lb.

**Terpineol**—Some goods are offered at the lower price of 27c@29c in drums or 29c@31c lb in cans. Most holders, however, are firm at 29c@35c lb as to quantity and packing.

#### Vanilla Beans

There has been no change since the recent decline and Mexican beans are still quoted at \$5.50@\$10.00 as to quality and holder. Mexican cuts are unchanged at \$5.00@\$6.50, Bourbons at \$2.50@\$3.50, South American at \$3.50@\$4.50 and Tahitis at \$2.50 lb.

Fratelli Jung, Palermo, write that the market for lemon oil is very firm, due to the fact that a portion of the green lemons, originally intended for pressing, has been diverted for export. Export demand for the oil has not been unusually heavy, but the local market is unsettled, because there is some uncertainty of factors being able to fulfil their engagements.

Menton Perfumery Corp., New York, has been appointed exclusive distributors for the United States by Perfumery Violet, Paris. William W. McClenaghan is general manager and F. K. Woodworth assistant general manager of the Menton Company.

The Rossville Company has been awarded the contract by the Bureau of Supplies and Accounts, Navy Department, for furnishing the Norfolk Navy Yard with 24,000 wine gallons of grade C alcohol at \$9.120, and will also furnish to the Norfolk Navy Yard 8,000 wine gallons of ethyl at \$3.040; bids for these items were received on January 19.

Ex Lax Co. is a creditor to the extent of \$1,400 in bankruptcy proceedings filed against Isadore Bernstein, retail druggist, New York.

The property of W. J. Bush & Co., Ltd., London, was slightly damaged by fire on Jan. 6, following an explosion of chemicals.

Pfaunder Co. has filed judgment in New York county against Alcohol Warehouse Co. for \$278.07.

#### NEW LEMON JUICE ON THE MARKET

(Special to DRUG & CHEMICAL MARKETS)

Catania, Sicily, Jan. 23—The new season lemon juice has made its appearance on the market at high prices due to the reduced quantities available. The large exportations of lemons have much reduced the stock for essential oil works.

The small production of bergamots has caused an advance in the essential oil. Orders from abroad are very satisfactory. The dollar is quoted at 24.50 lire, and pound sterling 120.30 lire.

Prices per Sicilian pound are: Lemon juice, new production, 23 lire; lemon juice, old production, 21 lire; sweet orange juice, new production, 33 lire; sweet orange juice, old production, 33 lire; bitter orange juice, old production, 33 lire; mandarin oil, old production, 90 lire; bergamot oil, old production, 85 lire; bergamot oil, new production, 98 lire.

#### LESS DEMAND FOR OIL OF SWEET ORANGE

(Special to DRUG & CHEMICAL MARKETS)

Milan, Italy, Jan. 23—Sweet orange juice is offered at low prices, and orders can only be booked when concessions are arranged, and this is also the case with mandarin oil. Bergamot oil is in fair demand, despite the higher prices asked by holders. The fluctuations in price per kilo during the past three weeks were as follow:

	Dec. 21 Lire	Dec. 28 Lire	Jan. 4 Lire
Sweet orange ....	140-145	140-145	140-144
Bitter orange ....	140-145	140-145	141-145
Bergamot oil ....	325-335	325-335	325-335
Lemon .....	86-90	86-90	89-94
Mandarin .....	400-420	400-420	375-395
Dollar equals lire.	24.79	24.81	24.77

#### HOOVER STUDIES PEPPERMINT SITUATION

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Feb. 4—The matter of the increased price on peppermint oil has not been brought officially to the attention of Secretary of Commerce Hoover, he stated recently. If there is a shortage in peppermint oil, it can easily be ascertained by the Department of Agriculture, according to officials of the Department of Commerce, and if it is believed that there is a monopoly, it can be brought to the attention of the Federal Trade Commission. Up to this time, no action whatever has been taken by the Department of Commerce relative to peppermint oil.

#### WILL DISTILL SANDALWOOD OIL HERE

(Special to DRUG & CHEMICAL MARKETS)

London, Jan. 23—It is reported that there is no truth in the rumor that the Mysore Government contemplated giving up the distillation of sandalwood oil. To obviate the difficulty presented by the U. S. A. import duty of 25%, the Government has arranged to ship the logs to America for distillation there.

National Licorice Co.'s statement as of Dec. 31, 1925, shows total assets of \$1,770,305, compared with \$1,788,915 at the end of 1924, and a profit and loss surplus of \$170,782, against \$233,305.

Distillers Co., Ltd., are to take over the greater part of the interests of the interests of Macdonald, Greenlees & Williams of Leith. Distillers Co. recently purchased the shares of Herbert Green & Co. of Hull and London,

# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: Chemicals, including heavy, technical and industrial chemicals; fine, medicinal, and photographic chemicals; coal-tar crudes and intermediates; tanning and dye extracts; dye and tan woods; naval stores; fillers and pigments; dextrans, sizes and starches; fertilizer materials, accelerators and solvents, and miscellaneous products; Crude Drugs, including barks, herbs, roots, etc. Essential oils, including oleoresins, synthetic aromatic chemicals and isolates. Fatty Oils, including animal, vegetable, and fish oils, tallow, greases and fats. All groups are in alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein

are for goods spot New York or Metropolitan District, f. o. b. ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilogram
1 Kilogram	—2.20 Pounds

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## Chemicals

Acetaldehyde Drs., or Cyl. c-l wks D	...	.36
le-l wks	...	.35
ACETANILID, tech., 150 lb bbls D	...	.20
100 lb kegs	...	.22
USP, 200 lb bbls	...	.35
Second hands	...	.34
Acetic Anhydride	...	
85% 107 lb chys	...	.27
93-95%, 100 lb chys	...	.29
Acetic Ether, see Ethyl Acetate	...	
Acetone, 50 gal drums	...	.35
Acetone, CP, 700 lb drs c-l wks D	...	.12
Tank cars, wks	...	.12
700 lb drs le-l wks	...	.13
350 lb drs le-l wks	...	.14
Acetone Oils, light, drs. wks	...	1.40
Heavy, drs wks	...	1.40
Acetophenetidin, 225 lb bbls	...	1.85
Acetyl Chloride, 100 lb chys	...	.42
Acetylenetetrabromide	...	1.50
Acetylenetetrachloride Drums wks D	...	.10
ACID, 1, 2, 4, 250 lb bbls	...	1.25
Acetic, 28%, 400 lb bbls c-l wks	...	3.24
28% le-l wks	...	3.49
58% c-l wks	...	6.09
58% le-l wks	...	6.34
70% bbls c-l wks	...	7.51
70% le-l wks	...	7.76
80% com'l bbls c-l wks 100 lb	...	8.41
80% com'l, le-l wks 100 lb	...	8.66
80% pure bbls c-l wks 100 lb	...	9.30
80% pure le-l wks 100 lb	...	9.55
Glacial, bbls c-l wks 100 lb	...	11.47
Glacial, le-l wks 100 lb	...	11.72
Glacial, USP, chys wks 100 lb	...	12.22
Second hands	...	.70
Anthranelle, tech., drs	...	.80
99-100%, 100 lb drs	...	.98
Bermeto, tech., 100 lb bbls	...	.58
Tech., ton lots bbls	...	.57
USP, 100 lb bbls	...	.60
Second hands	...	.55
Boric crys., powd. 250 lb bbls	...	.09
Kegs 100 lb	...	.10

PRICES CURRENT SECTION

ACID	...	
Butyric, 60% pure 5 lb bot D	...	.55
90%	...	.70
CP 10 lb bot	...	1.25
Camphoric USP, VIII 1 lb bot D	...	4.85
Carbolic, USP, crys see also Phenol	...	
112 lb tins	...	.24
25 lb tins	...	.27
5 lb tins or bot	...	.29
1 lb bot	...	.34
Liquid USP, 1 lb bot	...	.33
Crude, 35% 50 gal bbls gal	...	.31
10% 50 gal bbls gal	...	.25
Carbonic, see Carbon Dioxide	...	
Chloroacetic	...	
Mono 100 lb bbls wks	...	.25
Di, 150 lb chys wks	...	1.00
Tri, 5 lb bot	...	2.50
Chlorosulfonic, 1500 lb drs	...	
wks	...	.15
Chromic, USP, 200 lb drums D	...	.40
98% Pure 400 lb drums	...	.37
Chromotropic, 300 lb bbls	...	1.35
Chrysophanic, see Chrysarobin	...	
Cinnamic, 5 lb cans	...	3.25
CITRIC, USP, crys 230 lb bbls	...	.45
Powd., USP, 200 lb bbls	...	.46
Imported crys., 112 lb kegs	...	.45
Single kegs	...	.47
Clove's 250 lb bbls	...	.95
Cresylic, 95% dark drs NY gal	...	.58
97-99% pale NY gal	...	.60
Crude, spot drums	...	
Diethylbarbituric, Dom., 25 lb lots	...	
1 lb bot	...	8.00
Imp. bulk	...	4.15
Formic, 85% tech., 140 chys D	...	.10
90%-80 lb chys incl	...	.10
Gallie, USP, 150 lb bbls	...	.69
Tech.	...	.50
Gamma, 225 lb bbls wks	...	1.30
Glycerophosphoric, 25% 1 lb bot	...	
H 225 lb bbls wks	...	1.85
Hydrolic, 10% USP 5 lb bot D	...	.68

ACID (Con't)	...	
Hydrobromic, 48% com'l. 155 lb chys wks	...	.45
48% com'l. 10 chys wks	...	.45
40% USP, 155 lb chys wks	...	.55
10% USP, 100 lb chys wks	...	.13
Hydrochloric, see also Acid Muriatic	...	
CP, USP, 110 lb chys	...	.07
Hydrocyanic, wks cyl	...	.90
HYDROFLUORIC, 30% 400 lb bbls	...	
wks	...	.06
30% 100 lb chys. wks	...	.08
48% single 100 lb chys wks	...	.10
52% 100 lb chys. wks	...	.13
52% 10 chys wks	...	.11
60% 100 lb chys. wks	...	.14
60% 300 lb dr. wks	...	.13
White Acid, 100 lb chys. wks	...	.26
White Acid, 10 chys wks	...	.25
Hydrofluosulfic, 35% 450 lb bbls	...	
wks	...	.10
Hypophosphorous, USP 30% 5 gal. demis	...	.35
USP, 10% 5 gal demis	...	.36
LACTIC, 22% dark 500 lb bbls	...	.05
22% light, bbls	...	.06
44% dark, bbls	...	.11
44% light, bbls	...	.13
66% dark, bbls	...	.13
66% light, bbls	...	.26
USP, IX 100 lb chys	...	.70
USP, VIII 100 lb chys	...	.50
Laurent's 250 lb bbls	...	.80
Metanille, 250 lb bbls	...	.60
Mixed, Sulfuric-nitric	...	
Drums, wks	...	.07
Drums wks	...	.01
Tank cars, wks	...	.06
Tank cars wks	...	.008
Molybdeic, 85% pure 100 lb kegs	...	1.25
100% CP, 100 lb kegs	...	1.30
Monosulfonic F. 50 lb tins	...	1.65

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# Chemicals

ACID			ACID			ACID		
MURIATIC, 20° chys le-l			Picric, 450 lb bbls	..	..	Valeric, CP, 10 lb bot	..	..
Wks	1.60	1.70	Pyrogallie, crys., 5 lb cans	..	1.25	Aconitine Alk., cryst., 1 oz vis.	..	30.00
Chys, c-l wks	1.35	1.35	Resublimed, 5 lb cans	..	1.50	Amorphous 1 oz vis.	..	20.00
Tank cars, wks	1.00	1.00	Tech., powd., 200 lb bbls	..	..	Adeps Lanæ hydrous 350 lb bbls	..	20
18° 120 lb chys			Salicylic, tech., 125 lb bbls	..	..	Anhydrous, 350 lb bbls	..	22
c-l wks	1.35	1.35	USP, 100 lb bbls	..	..	Albumen, Egg, edible	..	1.10
Tank cars, wks	..	..	Second hands	..	33 1/2	Tech., 100 lb drs	..	1.08
22° 120 lb chys			Sulfanilic, 250 lb bbls	..	15	Blood 225 lb bbls	..	..
c-l wks	1.75	1.75	SULFURIC, 66° 180 lb chys			Vegetable edible	..	..
Muriatic, CP, & USP, see Acid Hydrochloric			le-l wks	1.50	1.85	Technical	..	..
Naphthionic, tech., 250 lb bbls	..	..	Chys, c-l wks	..	1.25	ALCOHOL, amyl See Fuel Oil		
Nerdle & Winther's 250 lb			1,500 lb Drums le-l	..	..	Benzyl, 5 lb bot	1.45	1.58
bbls	..	..	Drums c-l wks	..	..	Butyl 50 gal drs wks c-l	..	..
NITRIC, 36° 135 lb			Wks	..	1.10	Drums, le-l wks	..	19 1/2
Chys le-l wks	..	5.00	Tank cars, wks	..	14.00	Tanks cars wks	..	18 1/2
Chys c-l wks	..	4.75	60° 1500 lb drums			Ethyl, USP, 190 pf 50 gal	4.84	5.04
38° le-l wks	..	5.50	le-l wks	..	1.00	bbls	..	..
Chys c-l wks	..	5.25	Drums, c-l wks	..	..	Export	..	..
40° le-l wks	..	6.00	Tank cars, wks	..	10.00	Anhydrous drums c-l	..	..
Chys, c-l wks	..	5.75	CP., 175 lb chys	..	..	Cologne Spirit, 50 gal bbls gal	5.04	5.14
42° le-l chys, wks	..	6.50	Oleum 20 pe 1500 lb drums			Denatured		
Chys, c-l wks	..	6.25	le-l wks	..	1.40	No. 1 complete denat., 190 pf		
CP., chys single wks	..	12	Drums, c-l wks	..	1.15	50 gal bbl incl	..	..
Oxalic, 300 lb bbls, wks	..	10%	Tank cars, wks	..	17.00	Carlota	..	..
Bbls., NY	..	10%	Oleum, 40% drs le-l wks net	..	40.00	50 gal drums extra	..	..
Keps., 100 lb NY	..	11%	Oleum, 60% drs., le-l wks net	..	60.00	Tank cars	..	..
Imp., 560 lb cans	..	11%	Sulfurous, USP 6% 100 lb chys	..	..	No. 1 Special denat. 190 pf		
Bbls	..	11%	4% 100 lb chys	..	..	50 gal bbl incl	..	..
Phetyleinchonide,	5.00	5.25	USP, 5 gal demis	..	..	Carlota	..	..
Phosphoric, 50% tech., 150 lb			Tannic, tech., 300 lb bbls	..	..	50 gal drums extra	..	..
Chys	..	..	USP, powd., 200 lb bbls	..	..	Tank cars	..	..
Syrup USP, 70 lb drums	..	..	USP, fluffy, 50 lb bbls	..	..	No. 5, Complete denat. 188 pf		
Demis	..	..	Tartaric, USP, crys., 300 lb bbls	..	..	50 gal bbl incl	..	..
Imported	..	..	USP, powd., 300 lb bbls	..	..	Carlota	..	..
Second hands	..	..	Imp., USP, 240 lb bbls	..	27 1/2	50 gal drums extra	..	..
Phthalic, see Phthalic Anhydride			Powd., 240 lb bbls	..	28	Tank cars	..	..
Picramic, 300 lb bbls	..	..	Tobias, 250 lb bbls	..	..	No. 6, Complete denat. 199 pf		
			Tungstic, 100 lb kegs	..	1.00	No longer manufactured		

## METHANOL

ALL GRADES

## DENATURED ALCOHOL

## ACETATES — AMYL, BUTYL, ETHYL

## SOLUBLE COTTON PYROXYLIN SOLUTIONS

THE MINER EDGAR COMPANY

110 WILLIAM STREET

New York





## SODIUM SILICATE

The purchaser of a General Chemical Company product expects a definitely standardized chemical—and he gets it. The Company's chemical products have attained their high place by satisfying critical buyers. They are products of Standard Purity.

*The principal General Chemical Company products:—*

**Sulphuric Acid**

*Oil of Vitriol—Oleum—Mixed Acid—Battery Acid*

**Acetic Acid**

*Commercial, Redistilled, Pure and Glacial*

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**Anhydrous**

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**Bisulphite Soda**

*(Hydrochloric Acid)*

**DiSodium Phosphate**

**Glaubers Salt**

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**Sodium Sulphide**

**Nitric Acid**

*Chip Patented*

**Chemically Pure Acids and Ammonia**

**Insecticides and Fungicides**

## GENERAL CHEMICAL COMPANY

40 Rector Street, New York

*Cable Address: Lycurgus, N. Y.*

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## Chemicals

## ALCOHOL (Cont'd)

In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their use however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.

Diacetone, 50 gal drs. fght. allowed	2.15	: 2.30
Isobutyl, crude 50 gal drs. gal	...	...
Refined, 100 cases	...	...
Isopropyl, refined, 90-91%, 50 gal drs	1.00	: 1.25
Ref'd 98-99% drs	1.25	: 1.50
Phenylethyl 1 lb bot., dom.	8.00	: 10.00
Propyl, nml., 50 gal drs	...	: 1.00
Aldehyde Ammonia 100 gal drums	.90	: .93
Alcain, USP, 100 lb cases	.85	: .88
Alpha-Naphthol crude 300 lb bbls	...	: .65
Refined	.85	: .90
Alpha-Naphthylamine, 350 lb bbls	.35	: .37
Ton lots bbls wks	...	: .35
ALUM, Ammonia, lump 400 lb bbls	...	...
wks, 1e-1	3.15	: 3.50
Ground, 400 lb bbls wks 100 lb	3.25	: 3.65
Powd., 380 lb bbls wks 100 lb	3.55	: 3.90
Chrome, 500 lb cks., wks	5.25	: 5.50
Potash, lump 400 lb bbls	...	...
wks	3.50	: 3.75
Bbls, c-1 wks	3.35	: 3.40
Imported lump	2.75	: 2.85
Ground, 400 lb bbls wks 100 lb	3.50	: 3.85

## ALUMS, Potash (Cont'd)

Imp., 350 casks	2.75	: 3.00
Powd., 380 lb bbls wks 100 lb	4.00	: 4.50
Chrome, 500 lb casks wks 100 lb	5.25	: 5.50
Grd., 400 lb bbls. wks 100 lb	...	: 3.75
Bbls c-1 wks	...	: 3.50
Aluminum metal, c-1 NY	28.00	: 29.00
Chloride, anhyd., 275 lb drs	.35	: .40
Crystals, 375 lb bbls	...	: .06 1/2
30% sol. 120 lb clys	.03 1/2	: .04
Hydrate 96% light 80 lb bbls	.17	: .18
Heavy 62-64% 220 lb bbls	.06	: .06 1/2
400 lb bbls wks	...	: .07
Stearate, 100 lb bbls	.23	: .24
SULFATE, Iron-free bags c-1	...	...
wks	2.00	: 2.10
Bbls c-1 wks	2.15	: 2.25
Imported, spot	1.80	: 1.85
Comm'l 1/2% iron bgs c-1	...	...
wks	1.40	: 1.40
Cont. bgs c-1 wks E 100 lb	1.35	: 1.40
Bags, c-1 wks W	...	: 1.40
Bbls, c-1 wks E	1.55	: 1.55
Bulk c-1 cont. wks E 100 lb	...	: 1.50
Amidol (See Diaminophenol)	...	...
Amidopyrine, Imp., 10 lb bxs	4.60	: 5.00
Domestic 10 lb boxes	4.60	: 4.75
Aminonobenzene, 110 lb kgs	...	: 1.15
AMMONIA, anhyd 100 lb cyl	.13	: .15
Water 26° 800 lb drs del	.03 1/2	: .04
Drs. c-1 delivered	.03	: .03 1/2
CP, clys	...	: .10

Ammonium Acetate, 100 lb kgs	...	: .43
Benzoate, USP, 1 lb bot	...	: 1.27
Bifluoride, 300 lb bbls	.21	: .23
100 lb kgs	.22	: .23
Bromide, 450 lb bbls 50 lb bxs	...	: .55
Imported, 112 lb boxes	.50 1/2	: .53
Carb., tech., 500 lb cases	.08 1/2	: .09
Powd., tech., 550 lb cks	.07 1/2	: .07 1/2
USP, lump, 100 lb kgs	.11	: .11 1/2
Powd., 100 lb kgs	.13	: .13 1/2
Second hands	.11	: .11 1/2
Chloride, Domestic	...	...
White, 250 lb bbls c-1	...	: .06
250 lb bbls 1e-1 wks	.06 1/2	: .06 1/2
Imported white 600 lb cks	.05 1/2	: .05 1/2
CF, USP, gran bbls	...	: .14
Gray, 250 lb bbls, wks	.97 1/2	: .08
Bbls, c-1 wks	...	: .07
Imported gray 250 lb casks	.06 1/2	: .06 1/2
Lump, 500 lb casks spot	.11 1/2	: .12
Ichthyolite, as to brand	4.85	: 5.00
Iodide, USP, 25 lb jars	...	: 5.20
Lactate, 500 lb bbls	.15	: .16
Refined Crystals bbls	...	: .20
CP gran., 100 lb kgs	.35	: .37
Oxalate, pure 100 lb kgs	.35	: .37
Persulfate, 112 kgs	.25	: .30
Phosphate, dibasic 200 lb bbls	...	: .39
Mono, 325 lb bbls	.12	: .13 1/2
Tri basic 325 lb bbls	...	: .64
Salicylate USP, 100 lb kgs	.75	: .80
Sulfate bulk c-1	...	: 2.95
Southern points	...	: 3.00
200 lb dbl.bags a.s. 100 lb	2.85	: 3.00
Sulfate-Nitrate, bulk fob NY ton	...	: 81.00
Sulfoeyanide, tech., 100 lb kgs	.40	: .45
CP, 25 lb jars	.50	: .55
Amyl Acetate, tech., 50 gal drs gal	2.35	: 2.45
Refined, 50 gal drums	2.85	: 3.50
Alcohol see Fuel Oil	...	...

## THE CLEVELAND-CLIFFS IRON COMPANY

CLEVELAND

OHIO

FLOTATION OILS  
HARDWOOD PITCHSpecially prepared to meet  
all demands.

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LOS ANGELES

PLANTS Marquette and Antrim, Mich.

# Chemicals

Amly Butyrate absolute cans ....lb	1.20	: 1.30	BARIUM BINOXIDE, see Barium dioxide			Benzidine Base, dry 250lb bbls lb	.72	: .74
ANILINE OIL, 960 lb drums ....lb	1.20	: 1.30	Bromide .....	..	.44	Benzidine Sulfate, paste 350lb		
Hydro Bromide .....	..	.75	Bromate .....	..	.70	bbls .....	.68	: .70
Aniline Salt, 200lb bbls ....lb	.23	: .24	Carbonate, precip., 300lb bbls			Benzol, see Benzene		
Annatto, fine .....	.41	: .48	wks .....	ton	52.00	Benzonaphthol, 5lb boxes ....lb	2.50	: 3.00
Anthracene 80-85% 600lb casks			Precip., 200lb bbls, wks ton	50.00	52.00	Benzoyl Chloride, 500lb drs ....lb	1.00	: 1.00
wks .....	.60	: .65	Imports bags NY .....	ton	43.00	Benzyl Acetate 100lb chys ....lb	1.30	: 1.40
Anthraquinone, sub 125lb bbls ....lb	.95	: 1.00	Chlorate, 112lb kegs NY ..lb	.12	: .12 1/2	Benzoate, 5lb bot .....	1.60	: 1.75
Antimony metal, slabs, tons lots lb	.21 1/2	: .22	Chloride, 800lb bbls wks ton	61.00	: 63.00	Medicinal FCC .....	1.75	: 2.00
Needle powd., 100lb cases lb	.21 1/2	: .22	200lb bbls, wks .....	ton	60.00	Chloride 95% tech., 925lb drs lb		.25
Bromate .....	..	1.50	Imports, large crystals, bbls.			100lb chys .....	.25	: .30
ANTIMONY CHLORIDE, anhyd 1000lb			Spot .....	ton	60.00	Redistil. 100lb chys .....	.20	: .25
drs .....	.16	: .17	Dioxide, 88% 600lb drs ....lb	.13	: .13 1/2	Formate, 1lb bot .....	3.25	: 3.50
50lb crystals .....	.45	: .48	Import, 86-88% 400lb drs lb	.13	: .13 1/2	Barberine Hydrchloride, 1lb bot ..lb		22.50
Sol'n. 130lb carbons 23" .....	..	.60	Hydrate, 500lb bbls .....	.04 1/2	: .05	Sulfate, acid or neut. 1lb bot lb		23.00
Oxide, 500lb bbls .....	.19	: .20	Iodide, 5lb box .....	..	5.15	BETA-NAPHTHOL, 350lb bbls wks lb		.24
Sulfuret golden 250lb bbls lb	.15	: .16	Nitrate, 700lb casks .....	..	.10	Carlots wks .....	..	.24
Crimeson 250lb bbls .....	.25	: .27	Imports casks .....	..	.07 1/2	Sublimed .....	.55	: .60
Vermilion, 250lb bbls .....	.48	: .50	Sulfocyanide 600lb bbls .....	.30	: .31	Beta-Naphthylamine, tech., 200lb		
Tartrolacate, 500lb bbls .....	..	.45	Barytes, coated 350lb bbls wks ton	23.00	: 24.00	bbls .....	.63	: .67
Tribromide .....	..	1.05	Imported .....	ton	29.00	Sublimed, 200lb bbls .....	..	1.35
Antipyrine, USP, 100lb cases ....lb	1.75	: 1.90	Crude, c.l.f. ....	ton	9.00	Bichloride Mercury, see Mercury Bichloride		
Second hands .....	1.70	: 1.75	Bay Rum, Porto Rico, genuine			BISMUTH metal, 100lb cases ....lb	..	3.50
Apomorphine Hychloride, 3/4 oz vis on	..	22.10	Medicated salicyl. acid or tartar			Second hands .....	3.15	: 3.25
Archil, double 600lb bbls ....lb	.13	: .14	45 gal bbls .....	.90	: .95	Ammon. Citrate, USP, 5lb cans lb	..	6.25
Triple, 600lb bbls .....	.16	: .17	Medicated quinine sulf., 45gal			Betanaphtholate, 5lb bxs ....lb	3.85	: 3.90
Cases, 600lb bbls .....	.18	: .20	bbls .....	.90	: .95	Citrate, USP, 5lb cans ....lb	..	3.50
Arecoline Hydrobromide, 1oz vialos	8.75	: 10.35	Domestic synthetic, 50 gal			Chloride .....	4.05	: 4.10
Argols, red powd., 350lb bbls lb	.06 1/2	: .07	Bbls .....	.70	: .75	Hydroxide .....	..	4.00
Arsenic metal 220lb kegs ....lb	.45	: .50	St. Thomas .....	..		Nitrate, 25lb jars .....	..	3.35
Red, 224lb kegs cases lb	.12	: .12 1/2	Medicated salicyl. acid or tartar			Oxide anhyd .....	..	4.20
White 220lb cases to 550lb			emetie 50 gal bbls gal	.85	: .90	Oxychloride, 25lb bxs .....	..	4.00
Bbls NY .....	.03	: .03 1/2	Benzaldehyde, tech., 945lb drs.			Phenolsulfonate, 5lb cans ....lb	..	3.55
Asbestine, c-l .....	ton	16.00	Benzaldehyde, tech., 945lb drs.			Salicylate, 25lb bxs .....	..	2.45
le-l .....	ton	20.00	wks .....	.65	: .70	Subcarbonate USP, 25lb bxs lb	..	4.05
Aspirin, see Acid acetylsalicylic			USP, 40lb chys .....	1.15	: 1.20	X-Ray diag 1lb bot .....	..	4.40
Atropine Alk., USP, 1 oz vial ....oz	6.50	: 7.50	FCC, 40lb chys .....	1.40	: 1.50	Subgallate, USP, 25lb bxs .....	..	3.15
Sulfate, 5 oz cans .....	..	3.50	BENZENE, 90% 8000 gal tanks			Sublidiode, 5lb lots .....	..	5.15
Single ounce .....	..	3.85	wks .....	..	.24	Subnitrate, USP, 25lb jars .....	..	3.35
			110 gal drs wks ....gal	..	.29	Second Hands .....	3.00	: 3.25
			Pure tanks, wks .....	..	.23	Cones, 1lb bot .....	..	4.35
			110 gal drs wks ....lb	..	.23	Subsalicylate, USP, 25lb bxs lb	..	3.55
						Tannate .....	..	3.10

## Selden Brand 99.99% Pure PHTHALIC ANHYDRIDE

PHENOLPHTHALEIN. The manufacture of Phenolphthalein from Selden Brand phthalic anhydride is a well established method which has proven its worth. Purity of raw materials results in low production costs.

THE SELDEN COMPANY  
Pittsburgh, Pa., U.S.A.

BISMUTH (Continued)		Butter of Antimony, see Antimony Chloride		CAMPHOR (Cont'd)		
above on basis 25 lb lots		Buyl Acetate, tank cars, wks	gal	2 1/2 lb slabs, 100 lb cs	lb	85%
Smaller lots at an advance		Drums c-l wks	gal	1 lb cakes, 100 lb cs	lb	85%
Tri-Bromophenol	lb	Aldehyde, 50 gal drums wks	lb	1 oz. tab., 1 lb ctns.	lb	90
White Flx, dry 400 lb bbls wks	80.00	Propionate drums	lb	100 lb cs	lb	73
Imported, bbls	70.00	Tartrate, drums	lb	1 oz. tab., 100 cs	lb	83
Paste, 650 lb bbls c-l	55.00	CADMIUM, metal 100 lb bxs	lb	cs	lb	85
BLEACHING POWDER, 700 lb drums		Bromide, 50 lb cases jars wks	lb	1/2 oz. tab., 100 lb cs, 1 lb	lb	85
c-l wks contract	100 lb	Iodide, 10 lb bot	lb	cs	lb	85
l-e-l wks contract	100 lb	Sulfide cs	lb	Crude, 100 lb cs	lb	58
c-l spot wks	100 lb	CAFFEINE ALK., USP, 5 lb cans	lb	tins	lb	85
l-e-l spot wks	100 lb	Second Hands	lb	Camphor, liniment, bbls	gal	2.30
l-e-l spot ex-warehouse	100 lb	Citrate, 25 lb cans	lb	Camphor Monobrom., 100 lb cs	lb	1.90
300 lb drums c-l wks contract	100 lb	Hydrobromide, 1 lb bot	lb	Caramel, 50 gal bbls	gal	.80
c-l spot wks	100 lb	Hydrochloride, 1 lb bot	lb	Carbazol, 250 lb bbls	lb	.50
l-e-l wks contract	100 lb	Sulfate, 1 lb bot	lb	Carbon Bisulfide, 500 lb drim-INTD	lb	.06
l-e-l spot wks	100 lb	CALCIUM, Acetate, 150 lb bgs c-l	lb	c-l drums, NY	lb	.05%
Blood dried f.o.b. NY	unit	100 lb	lb	Carbon Bical, c-l wks bgs	lb	.08
Chicago	unit	Arsenate, 100 lb bbls c-l wks	lb	100-300 lb cases l-e-l NY	lb	.12
S Am. Shipment	unit	Bromate	lb	Decolorizing 40 lb bgs c-l	lb	.08
Blues, bronze Chinese, Milori		Bromide, 100 lb cs	lb	90 lb drms c-l	lb	.03%
Prussian Soluble	lb	Carbide 220 lb dr. c-l wks	lb	Carbon Dioxide, Liquid, 20-25 cy	lb	.06
Blue Vitriol, see Copper Sulfate		Carbonate tech., 100 lb bags	lb	Tetraehloride, 140 lb drs del	lb	.06%
Bone 3 & 50 gr.steam Chgo. ton	30.00	c-l	100 lb	Drums c-l delivered	lb	.08%
Imp.	35.00	USP, precip., 175 lb bbls	lb	Carminc No. 40, 5 lb boxes	lb	5.00
Raw, NY	34.00	Chloride, solid, 650 lb drs c-l	lb	Casein, edih., 100 lb keg	lb	.45
Bone Ash, 100 lb kegs	lb	f.o.b. wks	ton	Tech., 200 lb bbls	lb	.13
Black, 200 lb bbls	lb	Imp. Shipment	ton	100 mesh	lb	.14%
Borax, crys., 400 lb bbls	lb	Flake, 375 lb drs, c-l drs. f.o.b.	lb	Castor Oil, USP, 50 gal bbls	lb	.17
Powdered, 300 lb bbls	lb	wks	ton	Cases, 80 & 2 tins	lb	.18
Kegs, 100-150 lb	lb	Anhyd., 350 lb drs f.o.b. NY	lb	Tech., see Fixed Oils		
Bordeaux Mixture, 16% pd	lb	Glycerophosphate, 250 lb bbls	lb	Caustic Potash, see potash, caustic		
Paste, bbls	lb	Hydrate see Lime		Soda, see soda, caustic		
Boraxol, See Aromatic Chemicals		Hypophosphite, USP, 25 lb cans	lb	Cellulose Acetate 100 lb cases	lb	1.55
British Gum com c-l	100 lb	Iodide, 5 lb bot	lb	ton lots	lb	1.50
l-e-l	100 lb	Lactate, tech., 500 lb bbls	lb	Cerium Oxalate, USP, 100 lb kegs	lb	.33
Bromide, see potash, bromide etc.		USP,	lb	Chalk, prod 175 lb bbls	lb	.03
Bromine, bot in 50 lb cs. wks	lb	Nitrate, 220 lb bbls c-l NY	ton	Precip, light 250 lb bbls csks	lb	.04%
Bromobenzene, 600 lb drums	lb	Phosphate, tech., 450 lb bbls	lb	Precip, heavy 500 lb csks	lb	.02%
Bromoform, USP, 5 lb bot cs	lb	Phosphate, mono, 325 lb bbls	lb	Bulk	ton	5.00
Bruin Alkaloid, 100 cs	oz	Stearate bbls.	lb	Precip, English, 7 lb bags	lb	.08%
Sulfate, 100 cs	oz	Sulfocarbonate, 100 lb kegs	lb	Precip, heavy 500 lb csks	lb	.03%
Second hands	oz	CAMPHOR, Amer., ref., 250 lb	lb			
	oz	bbls	lb			

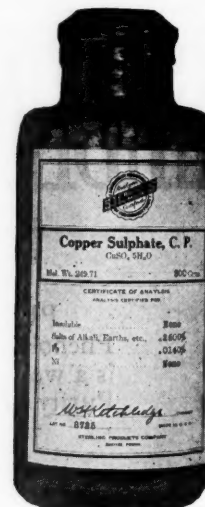
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## Chemicals

## CHARCOAL

Hardwood, lump, bulk wks ..bu	.18	: .19
Spot, NY .....	.24	: .26
Wood, powd., 100 lb bbls ..b	.04	: .05
Willow, powd., 100 lb wks bbls ..b	.06	: .06 1/2
Chestnut, clarified, 25% tks, wks ..b	.01 1/2	: .01 1/2
Bbls, wks .....	.02	: .02 1/2
Powd., 60% 100 lb bags wks ..b	.05 1/2	: .05 1/2
Decolorized bags wks .....	.06 1/2	: .07

China clay, Dom bulk wks .....	6.00	: 9.00
Washed & Ground wks .....	11.00	: 15.00
Imp., Filler Clay .....	15.00	: 23.00
Coating .....	20.00	: 25.00

Chinoidin, 140 lb drs .....	...	: .40
Chloral Hydrate, USP, 100 lb drs ..b	.60	: .65
25 lb jars .....	.63	: .70
Chloramine USP 200 lb bbls ..b	...	: 1.75
Chlorosane, 5 lb bot .....	.55	: .65
Chlorhydrin, Ethylene anhyd., 600 lb drums .....	.75	: .85
40% sol'n., 100 lb chys ..b	.25	: .30

CHLORINE, Liquid, tank or multi-unit car wks contract ..b	...	: .04
Tank car spot wks .....	...	: .04 1/2
Carlota cyl. wks., contract ..b	...	: .05 1/2
spot, wks .....	...	: .05 1/2
lc-l cyl, wks, contract ..b	.08	: .09
Spot wks .....	.08 1/2	: .09 1/2

Chlorobenzene, mono 100 lb drs. wks lc-l .....	...	: .07
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CHLOROFORM USP., 50 lb drs ..b	.23	: .30
Second Hands, 650 lb drs ..b	.25	: .27
Technical, 650 lb drums .....	.22	: .25
Chlorophyll Oil Sol. .....	2.50	: 2.75
Water Sol. .....	3.75	: 4.00

Chromium Acetate 20° sol'n. 400 lb bbls .....	...	: .05 1/2
Fluoride, Powd., 400 lb bbls ..b	.24	: .28
Oxide, Green bbls .....	.34 1/2	: .35 1/2
Chrome Green, C.P. .....	.26 1/2	: .38
Comm. .....	.08 1/2	: .11
Chrome Yellow .....	.18	: .17

Chrysarobin Powd., 400 lb bbls ..b	...	: 3.50
Cinchonine alk., powd., 100 oz tins oz	...	: .38
Crystal .....	.65	: .68
Cinchonidin Sulfate, 100 oz tins oz	...	: .35
Resale, 100 oz lots .....	.32	: .33
Cinchonine alk. powd., 100 oz tins oz	...	: .38
Crystal .....	.43	: .43
Sulfate 100 oz tins .....	...	: .25

Citric Acid, see Acid Citric		
Citrine Ointment, See Mercury		

Coal Tar, See Tars		
Cobalt metal, 100 lb kegs .....	2.50	: 3.00
Cobalt Oxide, 500 lb bbls .....	2.00	: 2.10
10 lb tins, 200 lb cases .....	...	: 2.20

COCAINE, alk., USP., 1 oz vial oz	...	: 10.57
Hydrochloride, USP—1 oz vials	...	: 8.07
25 ozs .....	...	: 8.50
In 1/2 oz. vials .....	...	: 8.50
In crystals, granular, powder, or flaky crystals as desired		

Cocoa Butter, bulk, 200 lb bales		
c-l .....	.29	: .31
Fingers, cakes, etc., 12 lb bxs ..b	...	: .37

CODEINE, alk. oz. vials 10 oz	...	: 9.87
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Hydrobromide, 1 oz vials, 10 oz	...	: 7.92
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lots .....	...	: 7.42
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Hydrochloride, 1 oz. vials, 10 oz	...	: 8.87
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lots .....	...	: 7.42
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Nitrate, 1 oz vis. 10 oz. lots oz	...	: 7.92
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Phosphate, 1 oz. vials, 10 oz	...	: 7.42
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lots .....	...	: 7.42
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Salicylate 1 oz vials, 10 oz	...	: 7.92
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lots .....	...	: 7.42
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Sulfate, 1 oz vis 10 oz lots oz	...	: 7.92
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Small sizes, 1/2 oz vials, 50c ex. 1/4 oz 30c extra, single 7c ex.		
per oz.—25 oz lots, 10c oz cheaper than above. Less than 10 ozs. 15c oz higher than above.		

COOLIVER OIL, Norwegian, 30 gal bbls .....	36.50	: 39.00
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Colchicine alk., USP., 1 oz vial oz	...	: 20.00
Salicylate 1 oz vial .....	35.50	: 35.50
Collodion, USP., 30 lb drums ..b	...	: .23
600 lb drums .....	...	: .22
Flexible, drums .....	.24	: .25

COPPER metal electrolytic c-l		
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NY .....	14.12 1/2	: 14.25
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Lake c-l NY .....	14.12 1/2	: 14.25
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Casting c-l NY .....	13.62 1/2	: 13.62 1/2
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Carbonate 400 lb bbls .....	.16 1/2	: .17 1/2
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Chloride, 250 lb bbls .....	...	: .28
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Cyanide, 100 lb drs .....	.48	: .50
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Iodide 5 lb bot .....	...	: 5.65
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Oxide, red 1000 lb bbls ton lots ..b	.16 1/2	: .17
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Sub-Acetate, verd. 440 lb bbls ..b	.20	: .21
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SULFATE crys., 450 lb bbls lc-l		
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spot .....	4.45	: 4.75
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Carlota bbls spot 100 lb	4.30	: 4.45
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Carlota bbls FOB NY 100 lb	4.30	: 4.55
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Powdered, 350 lb 5 bbls 100 lb	5.60	: 5.65
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Coppers bulk c-l NY wks .....	12.00	: 13.00
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200 lb bps. c-l wks .....	15.00	: 16.00
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400 lb bbls c-l wks .....	16.00	: 17.00
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Powdered bbls .....	1.00	: 2.00
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Sugar, 400 lb bbls .....	1.25	: 1.35
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Corn Syrup, 42 deg., 50 gal		
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bbls .....	...	: 3.31
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43 deg. 50 gal bbls .....	...	: 3.36
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44 deg. 50 gal bbls .....	...	: 3.43
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45 deg 50 gal bbls .....	...	: 3.50
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Corn Sugar, see Glucose		
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Cotton Soluble, 100 lb bbls wet ..b	.40	: .42
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Cottonseed, Meal 7% .....	34.00	: 35.00
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Coumarin, 25 lb tins 100 lb .....	3.10	: 3.25
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CREAM TARTAR, USP., 300 lb		
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bbls .....	.22	: .29 1/2
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Imp., powd., USP., 224 lb ..b	.21	: .21 1/2
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Cresote, USP., 42 lb chys .....	.40	: .42
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Carbonate, 100 lb., 50 lb., ..b	1.70	: 1.80
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Cresote Oil, 50 gal drums .....	.13	: .15
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Cresol, USP., 400 lb drums .....	.20	: nom.
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Cudbear, English .....	.17	: .18
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# THYMOL SYNTHETIC

The New York Quinine & Chemical Works, Inc.  
99-117 N. 11th St., Brooklyn, N. Y.  
St. Louis Depot: 304 S. Fourth Street

## Chemicals

Cutch Rangoon 100 lb bales . . . . .	.22	Divi Divi Extract . . . . .	.04	nom.	Ethylene Glycol . . . . .	.30	.40
Tablets, 120 lb boxes . . . . .	.13	Pods, bags ship . . . . .	49.00	50.00	Tri Chloride . . . . .	.10	.10½
Borneo solid, 100 lb bales . . . . .	.05½	Dover's Powder USP., 5 lb tins . . . . .	2.50		Ethylideneaniline . . . . .	.82	.65
Cyanamide, bulk c-l wks Amm unit . . . . .	1.90	Duboisine Sulfate, 100 vial . . . . .	30.07		Eucalyptol, 25 lb cans . . . . .	. . .	.90
Imp . . . . .	2.00	EARTH, Diatomaceous, see Kieselguhr			Feldspar, bulk . . . . .	20.00	25.00
Cyclohexanol, see Hexalene		Egg Yolk, 200 lb cs . . . . .	.55	.60	FERRIC CHLORIDE, tech., crys.		
Cymene, See Para-Cymene		Emetine alk., 15 gr. vis . . . . .	17.00	17.57	475 lb bbls . . . . .	.05	.06
Dextrin, white corn 140 lb bgs		Hydchilde, USP., 1 oz vial . . . . .	17.00	17.57	Imported . . . . .	.04½	.05
c-l . . . . .	3.87	15 gr. vials . . . . .	17.00	.82	C.P. crys. 100 lb kegs . . . . .	. . .	.10
bags c-l . . . . .	3.97	EPSON SALT, tech., 300 lb bbls			Imported . . . . .	.06	.06½
Canary . . . . .	3.92	NY . . . . .	2.15		Neut. Sol'n., 42° 140 lb chys . . . . .	.06½	.07
bags lc-l . . . . .	4.02	Bbls c-l NY . . . . .	2.00		46° 140 chys . . . . .	.08	.08½
Potato, white, 220 lb bags lc-l . . . . .	.08½	100 lb c-l NY . . . . .	1.50	1.75	USP., Sol'n., 125 lb chys . . . . .	.06½	.07
Yellow 220 lb bags . . . . .	.08½	Imp., 220 lb bgs c-l			Bromide, solution . . . . .	. . .	.55
Tapioca, 200 lb bags lc-l . . . . .	07½	NY . . . . .	1.20		Ferrous Bromide, sol'n., . . . . .	. . .	.55
DIAMINOPHENOL, 100 lb kegs . . . . .	3.80	USP., 200 lb bbls 10 bbls 100 lb . . . . .	2.00	2.25	Chloride, crys., tech., 475 lb bbls . . . . .	.05	.06
Diamyl Phthalate drms wks . . . . .	4.00	Carlota, bbls kegs 100 lb . . . . .	2.00	2.25	Sulide, 1000 lb bbls . . . . .	2.50	3.00
Dianisidine, 100 lb kegs . . . . .	3.50	Imported, 400 lb bbls 100 lb . . . . .	1.85	1.90	Fish Scrap, dried wks . . . . .	4.25	.10
Dibutyl Phthalate, wks . . . . .	.40	Ergotin, Bonjean, 1 lb jars . . . . .	6.00	6.50	Acid Bulk 7 & 3½, Dellv.		
Dibutyl Tartrate, 50 gal drums . . . . .	.55	Eserine alk., 1 oz vial . . . . .	24.00	24.50	Norfolk & Salt basis . . . . .	nom.	nom.
Dichlorobenzene, 1000 lb drums . . . . .	.06	Salicylate, USP., 1 oz vial . . . . .	24.00	24.50	Flavine Lemon 55 lb cs . . . . .	.90	.95
Dichloromethane, Drums wks . . . . .	.23	Sulfate, USP., VIII, 1 oz vial . . . . .	24.00	24.50	Orange 70 lb cs . . . . .	.85	.90
Diethylamine, 400 lb drs . . . . .	2.25	ETHER, USP., 55 lb drums . . . . .	.16		Fluorspar, 95% 220 lb bags ex-		25.00
Diethylaniline, 850 lb drs . . . . .	.55	Anaesthesia, 55 lb drums . . . . .	.19		96% bgs . . . . .	. . .	35.50
Diethyl Carbonate, drums . . . . .	1.85	USP., 1850 55 lb drums . . . . .	.45		98% bgs . . . . .	. . .	35.00
Diethyl Phthalate 25 lb cans . . . . .	.40	Washed, 55 lb drums . . . . .	.37		FORMALDEHYDE, USP., 400 lb bbls		
1000 drs . . . . .	.32	Motor 1 lb bottles . . . . .	.30	.82	c-l wks . . . . .	.09	.09½
Diethyl Sulfate tech., 50 gal drs . . . . .	.20	Ether, Nitrous, 1 lb bot . . . . .	.90	.95	Carboys 100 lb lc-l wks . . . . .	. . .	.10½
G.P. drums . . . . .	.40	Ethyl Acetate, 99% 50 gal drs gal . . . . .	1.05	.85	Bbls 400 lb lc-l wks . . . . .	.09½	.09½
Digitalin, Pure, 1 oz vial . . . . .	9.75	85% Ester, 10 gal drs gal . . . . .	.82		Formaldehyde Aniline 100 lb drums . . . . .	.39	.42
high test . . . . .	15.00	Carlota, drums . . . . .	1.72	1.85	Fossil Flour . . . . .	.02½	.04
Dimethylaniline 840 lb drs wks . . . . .	.31	Refined drums . . . . .	1.00	1.10	Formaniline . . . . .	.38	.40
Dimethylamine, 400 lb drs . . . . .	.45	Aceto Acetate drums wks . . . . .	1.05	1.10	Imported 230 lb bgs NY . . . . .	35.00	40.00
Dimethylsulfate, 100 lb drs . . . . .	.15	Benzyl Aniline, 300 lb drs . . . . .	1.10	1.20	Furfural, 500 lb drums . . . . .	.23	.25
Dinitrobenzene, 400 lb bbls . . . . .	.18	Bromide, 115 lb drs . . . . .	.28	.35	Ton lots . . . . .	. . .	.20
Dinitrochlorobenzene, 400 lb bbls . . . . .	.32	Butyrate cans . . . . .	4.00	4.15	Fusel Oil, 10% Impurities drs gal . . . . .	1.50	1.75
Dinitrochlorobenzene, 300 lb bbls . . . . .	.31	Lactate drums wks . . . . .	.30	.31	Refined . . . . .	3.25	3.50
Dinitrophenol, 350 lb bbls . . . . .	.15	Methyl Ketone, 50 gal drs . . . . .	.45	.55	Fuetic, solid 50 lb boxes . . . . .	.20	.23
Dinitrotoluene, 300 lb bbls . . . . .	.15	Morphine, see Morphine, Ethyl	.70	.75	Crystals, 100 lb boxes . . . . .	.20	.22
Dioxin, see Morphine, Ethyl		Oxalate drums wks . . . . .	.25	.30	Liquid, 51°, 600 lb bbls . . . . .	.09	.10
Dierthetolylguanidine, 275 lb		Ethylene Bromide, 600 lb drs . . . . .	.15	.20	Fuetic, sticks . . . . .	30.00	32.00
bbls, wks . . . . .	1.05	Chlorhydrin, anhyd. 50 gal drs . . . . .	.25	.30	Chips . . . . .	.04	.05
Diphenylamine . . . . .	.48	40% Solution, 50 gal bbls . . . . .	.20	.21	G SALT, paste 360 lb bbls basis	.20	.21
Diphenylguanidine, 5,000 lbs.		Dichloride, 50 gal drs . . . . .	.10		Gall extract . . . . .	. . .	.21
100 lbs. . . . .	.90	Tank cars . . . . .	. . .	.10			

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*The* **MATHIESON ALKALI WORKS Inc.**

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# Chemicals

Gambier 25% liq., 450 lb bbls lb	.12	.14	HAARLEM OIL, Dom., 6 gr. ea. gr	3.15	3.30	Iodine Tinct., USP., 50 gal bbl gal	4.85
Common 200 lb cases	.19	.30	Imported 5 gr cases	3.65	3.85	Carboys	4.90
Singapore cubes, 150 lb bags lb	.23		Halazone 5 lb bot	2.75	3.25	Second Hands	4.70
Gelatin, USP., silver 1 lb 100 lb cs lb	.60	.65	NEMATINE, Paste, 500 lb bbls lb	.09	.12	Crystals, 10 lb bot	6.05
Gold Label, 100 cases	1.00		Crystals, 400 lb bbls lb	.12	.20	Iodides, see Potass. Iodide, etc.	
Technical, 100 lb cs	.45	.50	Hemlock, 25% 600 lb bbls wks lb	.03	.03	Iodoform, powd., 10 lb bot	6.00
Pure Food, 50 lb bbls	.55	.60	Hemlock, bark	16.00		Iridium, metal 10 oz. lots	260.00
Sheets	.53	.55	Hexachlorethane Drums wks	.45		Iron, metal by hydrogen 1 lb bot lb	.70
CLAUDEN'S SALT, tech., 200 lb bags			Hexalena, 50 gal drs. wks	.55	.57	IRON & AMM. CITRATE, USP., 50 lb.	
c-1 wks	1.10	1.20	Hexamethylenetetramine, USP.,			case	.69
lc-1 wks	1.35	1.45	100 lb drums	.60	.62	Bromide	1.10
350 lb bbls. c-1 wks	1.25	1.35	Imported	.54		Cacodylate, 100 lb bot	8.10
Bbls., lc-1 wks	1.50	1.60	Rubber Makers, Impalp. Pd.	.80	.82	Citrate, USP., VIII 25 lb cans lb	1.01
Imported, bags NY	.75	.80	Homatropine Hydrobrom USP., 1 oz			Chloride, see Ferric or Ferrous	
USP., 300 lb bbls. Imp., sp. 100 lb	1.25		vials	14.50		Hypophosphite, 5 lb cans	1.60
USP., 300 lb bbls. dom. sp. 100 lb	1.75		Five oz., 1 oz vials	15.50		Syrup, USP., 5 lb., bot	.35
USP., 300 lb bbls., c-1 wks 100 lb	1.40		Hydrastine, Alk., USP., 1 oz vials	20.50	21.00	Iodide, 1 lb bot	4.25
Calcined, see Sodium Sulfate			Hydchloride, USP., 1 oz vial	20.50	21.00	Syrup, USP., 5 lb bot	.35
Glucose, (Grape Sugar) dry, 100			Sulfate 1 oz vial	22.50	23.00	Nitrate, kegs	.09
70° bags c-1 NY	3.14	3.24	Hydrastinine Hydchloride, USP., 15 gr			Com'l. bbls	2.60
80° bags c-1 NY	3.24	3.34	vials	40.00		Oxalate scales, 25 lb cans	.88
Tanners' Special 100 lb bags 100 lb	3.14		Hydranobenzene 100 lb kegs	.07	.07	Oxide, red Spanish	.02
GLUE, pure white bbls	.22	.26	HYDROGEN PEROXIDE, 25 vol. 400 lb			English	.10
Medium white, bbls	.20	.24	bbls	.32	.34	Perchloride see Ferric Chloride	
French white	.18	.25	100 vol. 140 lb chys lb	.04	.05	& Ammon. Oxalate, 25 lb bbs lb	.37
High Grade, bbls	.35	.40	USP., Sol'n 375 lb bbls	.46		& Potassium Oxalate, 250 lb	.43
Bone, regular, bbls	.10	.12	100 vol 145 chys lb	7.75	8.00	bbls	.40
Fish, bbls	1.50	1.75	USP., bot 4 oz. cases	11.10	12.00	& Sodium Oxalate, 24 lb bbs lb	.32
Hide bbls	.14	.24	Bot. 16 oz cases	18.25	19.00	Phosphate, USP., 50 lb	.69
GLYCERIN, C.P. 550 lb drums lb	.25	.30	Hydroquinone, 100 lb kegs	1.25	1.50	Pyrophosphate, USP., 50 lb	.74
Cans, 50 lb	.27	.28	Hyocine Hydrobrom. USP., 1 oz			JALAP RESIN, lump, 5 lb tins	4.00
Dynamite, 100 lb dr	.23	.25	vial	13.57	13.57	Powd., tins	4.65
Saponification tanks	.17	.17	Five oz., 1 oz vial	13.07	13.57	Powd., tins	4.65
Soap, Lye tanks	15	16	Hyocyanine Alk., Cryst., 1 oz vials	25.07		KIESELGUHR, 95 lb bags NY ton	60.00
Oca Powder, see chrysarobin			Alkaloid, Amorphous, 100 vial oz	75.07		LANOLIN See Adeps Lanæ	
Graphite, crude, 220 lb bags	15.00	35.00	Hydrobromide, USP., 1 oz vial	35.07		Larch, 25% 600 lb bbls wks lb	.03
Flake 500 lb bbls	.05	.09	Sulfate, 1 oz vial	25.07		Powd., 100 lb bags wks	.08
Ground Imp., bbls	.04	.05	Hyperic, 51%, 600 lb bbls lb	.12	.15	LEAD, metal c-1 NY	.09
Quaisol Liquid USP., 100 lb chys lb	2.00	2.25	Chips	.06	.07	Acetate, white crystals, 500 lb	
Crystals	2.25	2.50	Indigo Madras bbls	1.28	1.30	bbls, wks	.14
Benzoate, 1 lb bot	.15	13.00	20% paste drums	.14	.15	100 to 250 lb kegs, wks lb	.15
Carbonate, 5 lb boxes	2.50	2.75	IODINE, crude 200 lb kegs	4.30	4.25	White, broken, bbls, wks. 100 lb	15.00
Second Hands	2.10	2.15	Resublimed, 10 lb jars	4.65	4.70	White, gran bbls. wks. 100 lb	15.00
						White, powd., bbls, wks 100 lb	15.25
						Brown, broken bbls wks	.13



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## Chemicals

LEAD ACETATE (Cont'd)			LITHOPONE (Continued)			MANGANESE DIOXIDE (cont.)		
USP., 100 lb kegs	..19	..19%	Bags c-1 wks	..05%	..05%	85-90% 900 lb bbls NY ton	85.00	90.00
Arsenate, 100 lb kegs	..14	..14%	Imported, 400 lb bbls	..05%	..06%	Hydrated, precip., 100 lb kegs	..15	..23
Bbls., c-1 wks	..14	..14%	Litmus Cubes	..90	1.00	Glycerophosphate, 5 lb tins	2.90	3.00
Bbls., c-1 wks	..14	..14%	Second hands	..08%	..08%	Hypophos USP VIII 5 lb cans	1.35	1.40
Paste, 100 & 600 lb bbls	..08	..09	Logwood 51° 800 lb bbls	..08%	..08%	Iodide, 1 lb bot	6.40	6.65
Iodide, USP., VIII 5 lb bot	3.20	3.40	Lower grades	..07%	..08	Ore, bulk, c.l.f. NY	..43	..44
Nitrate, 500 lb bbls. wks	..14	..14%	Solid, 50 lb boxes	..12	..15	Sulfate, 550 lb drums NY	..07	..07%
Oxide, Litharge, 500 lb bbls	..11%	..11%	LOGWOOD, sticks	26.00	27.00	Mangrove, 55% 400 lb bbls	..03%	nom.
100 kegs wks	..14%	..15%	Chips, 150 lb bags	..03	..03%	Mangrove, bark, African	..44.00	
Oxide, red, 500 lb bbls, wks	..12%	..12%	Luminal, see Phenylethylmalonyurea	..30		Marble Flour, bulk	10.00	12.00
100 lb kegs wks	..12%	..10%	Madder, Dutch	..30		See also Calcium Carbonate		
Oleate, bbls	..17%	..18	Magnesite calcined, 500 bbls ton	14.25	17.50			
Peroxide, 100 lb drs	..25	..30	Magnesium, mtl. sticks 100 lb cs	..85				
White, basic carb., 500 lb bbls	..10%	..10%	f.o.b. wks	..1.50		MENTHOL, USP, 60 lb cases	6.25	6.50
wks	..10%	..10%	Bromate	..06%	..06%	Less case, 5 lb tins	..6.50	
100 lb kegs wks	..14%	..15%	Carb. tech. 70 lb bags NY	..08	..08%	Synthetic	..5.75	
White sulfate 500 lb bbls. wks	..10	..10	75 lb bbls NY	..09%	..10	MERCURY, metal 75 lb flask flask	88.00	89.00
Licorice Ext., Mass cases	..21	..22	USP., 100 lb bbls	..17	..19	Less flasks 5 lb jugs	..1.38	
Compound powder, bbls	..11	..13	English, oz. blocks	..34.00		Bichloride, cryst., 25 lb bxs	..1.31	
Powdered	..35	..36	Chloride, fused 575 lb drs. c-1	..36.00		Gran., powd., 200 lb kegs	..1.16	
Sticks, 1 oz 100 lb cases	..30	..35	wks	..31.00		Bisulfate, 25 lb boxes	..1.14	
			Flake, 350 lb drs. wks. c-1 ton	28.00	30.00	Blue Mass., 25 lb boxes	..74	
			Imp., Flake Shipt.	..12	..15	Powdered, 25 lb boxes	..76	
			Imp., fused 900 lb bbls NY ton	..07	..07%	Blue Ointment, USP., 25 lb cans	..99	
			Fluoridate, crystals 400 lb bbls	..3.20	3.25	50%	..74	
			wks	..1.05	1.05	USP, dilute 25 lb cans 30% D	..80	
			30% sol'n 500 lb bbls wks	..42	..50	33% Mercury	..1.45	
			Sol'n. bbls., c-1 wks	..2.40	2.62	Calomel, 50 lb bxs	..80	
			Glycerophosphate, 5 lb tins	..75	..80	33% Mercury	..4.10	
			Hypophosphite, 5 lb cans	..23	..25	Iodide, green 25 lb jars	..4.20	
			Oxide, USP., light 100 lb bbls	..06	..06%	Red, USP., 25 lb jars	..4.10	
			USP., heavy, 250 lb bbls	..24	..25	Yellow, USP, VIII 25 lb jars	2.00	2.04
			Peroxide, 5 lb cans	..24	..25	Oxide, Yellow USP., 25 lb bxs	..1.43	
			Perborate, 1 lb tins	..24	..25	Tech.,	..1.56	
			Salicylate, 100 lb kegs	..72	..74	Red Precip., USP., 25 lb bxs	..1.66	
			Stearate bbls	..24	..25	Powder, USP., 25 lb bxs	..1.67	
			Sulfate see Epsom Salts	..72	..74	White Precip., USP., 25 lb bxs	..1.72	
				..80.00	85.00	Powdered, USP., 25 lb bxs	..74	
						With chalk, USP, 25 lb bxs	..74	
						Meta-Nitroaniline	..72	..74
						Meta-Nitro-para-Toluidine, 200 lb	..1.80	
						bbls	..1.80	

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### Sulphate and Minor Salts

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CAFFEINE  
QUINIC ACID

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# Aero Brand



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American Cyanamid Co.  
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**Yellow  
Prussiate  
of Potash**





# Chemicals

<b>PARAFFIN (Con't)</b>			<b>PARIS GREEN (Con't)</b>			<b>PILOCARINE HYDCHLIDE, USP., 25oz</b>		
128-132 Deg. M.P. ....lb	.07½	.07½	Packages, 5 and 2 lbs. ....lb	.23	.24	lots, 1 oz vials ....oz	4.00	4.50
133-137 Deg. M.P. ....lb	.08	.08½	Packages, 1 lb, ½ lb, ¼ lb, ...lb	.25	.26	Nitrate, 25 oz. ....oz	...	4.00
138-140 Deg. M.P. ....lb	.08½	.10	Paris White, see Whiting French			Single ozs. ....oz	...	4.50
Para-Aminoacetanilid, 100 lb			Pepsin, USP., 5 lb bot. 1:3000 lb	2.50	2.75	Alkaloid, 15 gr. vls ....ea	...	.85
kegs ....lb	1.00	1.05	1:6000 bottles ....lb	5.00	5.25	Pine Oil, stm., dist., bbls ....gal	...	.66
Para-Aminophenol, 100 lb kegs ...lb	1.10	1.16	1:10,000 bottles ....lb	8.35	8.50	Destructive dist. ....lb	.63	.64
Hydrochloride, 100 lb kegs lb	1.25	1.30	Peptone, powd., 5 lb ....lb	...	1.25	Piperazine Hydrate, 1 lb bot ....lb	...	15.00
Para-Dichlorobenzene, 150 lb bbls.			PETROLATUM, green 300 lb bbls lb	.02½	.03	Piperidine, 25 oz ....oz	1.10	1.25
wks ....lb	.17	.20	Dark Amber, 300 lb bbls ....lb	...	.04½	Pitch, Coal-Tar, wks ....ton	24.00	26.00
25-50 lb kegs ....lb	.18	.22	Light Amber, 300 lb bbls ....lb	...	.04½	Prime ....bbl	8.00	10.60
Paraaldehyde, USP., 100 gal drs gal	...	.48	Cream White, USP, 300 lb bbls lb	.07	.07½	Plaster Paris, tech., 250 lb bbls bbl	...	3.30
Tech., ....lb	...	.20	Lily White, USP., 300 lb bbls lb	...	.07½	True Dental, 300 bbls ....bbl	...	4.50
Para-Cymene, Feld., 110 gal drs gal	2.25	2.50	Snow White, USP., 300 lb bbls lb	...	.12½	Platinum, metal soft 10 oz lots oz	...	120.00
Paraformaldehyde, USP., 100 lb cs lb	.42½	.45	Phenol, see also acid carbolic			Podophyllin, 5 lb bot ....lb	4.25	4.50
Para-Nitroacetanilid, 300 lb			Makers 950 lb drums spot ...lb	.21	.22	Second Hands ....lb	4.20	4.30
bbls ....lb	.50	.55	Small drums 240-100 lb ...lb	.22	.24	<b>POTASH SALTS, rough</b>		
PARA-NITROANILINE, 300 lb bbls			Open market drums ....lb	...	.21	Pot. Murate basis 80% bgs ton	...	34.90
wks single bbl ....lb	.51	.52	240 lb des. drs., wks ...lb	...	.27	Pot. Sulfate, basis, 80% bgs., ton	...	45.85
Para-Nitrochlorobenzene, 1200 lb drs	...	.33	Natural, 240 lb des drs. wks lb	...	...	Pot. & Mag., Sulfate, basis 48%	...	26.36
wks ....lb	...	.33	Phenolphthalein, USP., 100 lb drs lb	1.30	1.40	bgs ....ton	...	18.00
Para-Nitro-ortho-Toluidine, 300 lb			5 lb cans, 100 lb lots ....lb	1.40	1.50	Manure Salts basis 30% bulk ton	...	18.00
bbls ....lb	2.75	2.85	Phenyl-Alpha-Naphthylamine 100 lb			Manure Salts, basis 20% bulk ton	...	11.35
Para-Nitrophenol, 185 lb bbls lb	.50	.55	kegs ....lb	1.23	1.29	Kainit, basis, 12.4% bulk ton	...	8.50
Para-Nitrosodimethylaniline, 120 lb			Phenylethylmalonylurea, oz. pkg., oz	...	5.50	Bulk in bags, \$2.00 extra		
bbls ....lb	.92	.94	Phosgene, 100 lb cylinders ....lb	...	...	Prices c.i.f. Atlantic & Gulf Ports		
Para-Nitrotoluene, 350 lb bbls ...lb	.25	.27	Phosphate Acid, 16% Bulk wks unit	.62½	.65	Discounts 50 tons, 5%; 500 tons 10%		
Para-oxo Benzaldehyde, 100 lb			Phosphate Rock, f.o.b. mines			<b>POTASH, CAUSTIC, solid 88-92%</b>		
kegs ....lb	...	1.70	Florida Pebble 68% ....ton	2.75	3.00	700 lb drs wks ....lb	.07½	.07½
Para-Phenetidin, 500 lb drs ....lb	1.55	1.80	Florida Pebble 70% ....ton	3.00	3.25	Imp., 88-92% 700 lb drs. NY lb	.07½	.07½
Para-Phenylenediamine, 350 lb			Florida 72% ....ton	3.75	4.00	USF, by alcohol 5 lb cans ...lb	.46	.47
bbls ....lb	1.20	1.25	Florida Pebble, 75-74% ....ton	4.25	4.50	cases ....lb	.30	.31
Para-Toluene-Sulfonamide, 175 lb			Tennessee, 72% ....ton	...	5.50	<b>POTASSIUM Acetate, USP., 100 lb</b>		
bbls ....lb	.40	.41	Phosphorus Oxide, 175 lb cyl. lb	.35	.40	kegs ....lb	.29	.30
Para-Toluene-Sulfonchloride, 410 lb			Phosphorus, red 110 lb cs ....lb	.68	.70	Second Hands, kegs ....lb	.26	.28
bbls. wks ....lb	.18	.30	Yellow, 110 lb cs wks ....lb	...	.32	Bicarbonate, crys., 320 lb bbls lb	.08½	.09
Para-Toluidine 350 lb bbls wks lb	.50	.60	Imported, 110 lb cs wks ...lb	.35	.37½	Bichromate crys., 725 lb csis lb	.08½	.08½
<b>PARIS GREEN</b>			Phosphorus Trichloride, 175 lb cyl			Powd. 725 csis, wks ...lb	.11	.12
Arsenic Basis, 500 lb kegs ...lb	.19	.20	wks ....lb	...	.45	Binoxalate, 300 lb bbls ....lb	.16	.17
Kegs, 100 lbs. ....lb	.21	.22	Phthalic Anhydride, 100 lb bbls			Import, 112 lb bbls ...lb	.18	.19
Kits, 56, 28, 14 lbs., ....lb	.22	.23	wks ....lb	.18	.20			

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RED OXIDE, C. P.  
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## Chemicals

## POTASSIUM (Cont.)

Bisulfate, C.P., 5 lb cans .... lb	: .30	
100 lb kegs .....	: .32	
Bromate, 100 lb cs .....	: .35	
<b>BROMIDE, USP, cryst, 450 lb</b>		
bbbs .....	.48	.49
Granular, 300 lb bbls .....	.48	.49
Cases, 100 lb .....	: .50	
Imported, USP, 220 lb cs .....	.37	.39
Shipment .....	: .43 1/2	
<b>CARBONATE, 80-85% calc.</b>		
800 lb cks .....	.05 1/2	.05 1/2
80-85% hydrated, 800 lb cks .....	: .05 1/2	
90-95% calc. casks .....	.06	.06 1/2
96-98% calc. casks .....	.06 1/2	.06 1/2
99% calc. casks .....	: .07 1/2	
USP 100 lb kegs .....	.11	.11 1/2
99% C.P. casks .....	: .12 1/2	
<b>Chlorate, cryst, 112 lb bgs c-l</b>		
wks .....	.08 1/2	.09
Imp. 112 lb NY lb .....	.08 1/2	.08 1/2
Powd., 112 lb kegs wks .....	.08 1/2	.09
Imp. kegs NY .....	.08 1/2	.08 1/2
Gran. Imp., 112 lb kegs NY lb .....	.10 1/2	.11
Pyrotechnic, fine powd. NY lb .....	: .07	
<b>USP, fine powder, 110 lb kegs</b>		
NY .....	.14	.15
Crys. .....	: .12	
Gran. .....	: .14	
Chloride, crys., bbls .....	.05 3/4	.05 3/4
Citrate USP, 50 lb .....	: .80	
Cyanide, 110 lb cases .....	: .55	
Glycerophosphate, 75% Soln. 25 lb tins .....	1.35	1.50
10 lb .....	2.00	2.25
Qualacel Sulfonate .....	1.50	1.75
Sec hands .....	1.35	1.40
Hypophosphite, 10 lb cans .....	.80	.85
Iodide, USP, 100 lb cases .....	3.75	3.80
Lactophosphate 4 oz bot .....	: .90	
Metabisulfite, 300 lb bbls .....	.10	.11
Imp., 550 lb bbls .....	.10	.11

## POTASSIUM (Cont.)

Muriate, 80% 200 lb bags, NY K Unit	: .63	
<b>Nitrate, see Saltpetre</b>		
Oxalate, neutral, 225 lb bbls lb	.16	.17
Perchlorate, 112 lb kegs .....	.10 1/2	.10 1/2
<b>PERMANGAN, USP, crys 500 lb</b>		
& 100 lb drs., wks .....	.15	.16
Imp. 113 lb drs .....	.14	.15
Prussiate red, 500 lb casks .....	.37	.38
Prussiate, yellow 500 lb casks .....	.18	.18 1/2
Salicylate, 25 lb cans .....	.60	.65
Sulfate, 200 lb bags NY K Unit .....	: .35	
USP, VIII 100 lb kegs .....	: .15	
Sulfocyanide, CP, 25 lb jars .....	: .50	
Tartrate, neutral 100 lb kegs lb	: .51	
Titanium Oxalate, 200 lb bbls lb	: .30	
Pumice Stone, lump, 250 lb bbls lb	.04 1/2	.06
Lump, bags .....	.04	.05
Powdered, 350 lb bbls .....	.02 1/2	.03
Pyridine 50 gal drums .....	4.85	5.00
<b>QUEBRACHO, 35% liquid tins</b>		
450 lb bbls c-l .....	.03	.03 1/2
35% bleaching, 450 lb bbls lb	.03 1/2	.04
Solid 63%, 100 lb bales c.l.f. lb	.04	.05
Jan-June .....	.04 1/2	.04 3/4
Clarified, 64% bales .....	: .05	
Jan-June .....	.04 1/2	.05
Quercitron, 51° 450 lb bbls .....	.06 1/2	.07
Solid, 100 lb boxes .....	.10	.13
Quercitron bark, rough .....	14.00	
Ground .....	34.00	35.00
<b>QUICKSILVER, see Mercury</b>		
Quinidine Alk., 100 oz tins .....	.70	.75
Sulfate, 100 oz tins .....	: .50	
<b>Quinidine, see Chinoidin</b>		
<b>QUININE SULFATE, USP</b>		
American 100 oz tins .....	: .50	
1 oz tins 100 oz lots .....	: .57	
Dutch, 100 oz tins .....	: .50	

## QUININE SULFATE, USP

Java, 100 oz. tins .....	: .50	
Japanese, 100 oz tins .....	: .50	
Resale .....	: .47 1/2	
Acetate .....	: .88	
Arsenate .....	: .88	
Benzoate .....	: .88	
Bisulfate, USP .....	: .45	
Resale .....	.37	.41
Citrate .....	: .62	
Dihydride, USP .....	: .66	
Dibromide .....	: .66	
Dicarbonate 1 oz tins .....	: 2.50	
Ethyl Carbonate, 16 oz tins .....	: .70	
Ferrocyanide .....	: .88	
Formate .....	: .85	
Glycerophosphate .....	: .88	
Hydriodide .....	: .88	
Hydrobromide, USP .....	: .62	
Hydrochloride, USP .....	: .62	
Hydrochlorosulfate .....	: .66	
Hydride & Urea, USP .....	: .88	
Hypophosphite .....	: .88	
Lactate .....	: .78	
Phenolsulfonate .....	: .88	
Phosphate .....	: .74	
Salicylate, USP .....	: .63	
Tannate, USP .....	: .45	
Tartrate .....	: .88	
Valerate .....	: .89	

Small Sizes; 1oz vials or cans, 50oz. lots, 5c oz extra; 5 oz cans, 50 oz. lots, 3c oz extra; 25 oz. cans, 50oz. lots, 2c oz extra; single 1 oz. vials or cans, 5c extra. All minor quinine salts sold and quoted basis 100oz lots in 100oz cans. Sulfate and bisulfate sold basis 100 oz lots in 100 oz cans. Smaller orders or containers extra as above schedule

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## Chemicals

Quinine, 100 lb kegs .....	1.75	: 2.25
Red Lead, see lead oxide .....	.45	: .47
Red Precipitate, see mercury .....		
Rennet, N.F., 5 lbs (1:25,000) lb .....	2.95	: 3.50
Resorcinol, see resorcinol .....		
Resorcinol, tech., 100 lb kegs .....	1.30	: 1.35
USP, 25 lb cans .....	2.25	: 2.35
Rochelle Salt, USP, 225 lb bbls .....	.20	: .20 1/4
Imp., USP, 300 lb bbls .....	.19	: .19 1/4
Rosewater, triple 5 gal demis .....	.85	: .90
Rosins, (Solid in 600 lb bbls gross for net)		
B .....	.280 lb	: 13.75
D .....	.280 lb	: 14.00
E .....	.280 lb	: 14.50
F .....	.280 lb	: 14.80
G .....	.280 lb	: 14.85
H .....	.280 lb	: 14.90
I .....	.280 lb	: 14.95
K .....	.280 lb	: 15.65
M .....	.280 lb	: 15.70
N .....	.280 lb	: 16.20
WG .....	.280 lb	: 16.40
VW .....	.280 lb	: 16.70
(Sold in 600 lb bbls net, quotations based on a unit of 280 lb)		
Rooin Oil first run 50 gal bbls gal .....		: .73 1/4
Second run bbls .....		: .78 1/4
Roten Stone lump imp bbls .....	.07	: .08
Lump selected, bbls .....	.09	: .12
Powdered, bbls .....	.02	: .05
Domestic, bags mines .....	24.00	: 30.00
SACCHARIN, USP, 10 lb cans, 25 lb .....	1.75	: 1.85
Sago, Flour 150 lb bags .....	1.75	: 1.85
Sal Ammoniac, see Ammon. Chloride .....	.04 1/4	: .05
Salicin, USP, 1 lb cartons, 25 lb .....	5.00	: 5.25
Salol, USP, 100 lb drums .....	.80	: .90
Salt, Common, see sodium chloride .....		
Salt Cake 94-96% c-l wks .....	19.00	: 20.00
White 87% wks .....	14.00	: 15.00

SALTPETRE, Double Refined		
Granular, 400-500 lb bbls		
c-l wks .....	.06 1/4	: .06 1/4
Less c-l wks, bbls .....	.06 1/4	: .06 1/4
Large Crystals, 350-400 lb bbls, c-l wks .....	.07%	
Triple refined, Granular, 350 lb bbls l-c-l .....	.06 1/4	: .06 1/4
Powdered, bbls c-l wks .....	.07%	: .07%
Imported, 500 lb bbls. NY .....	.06 1/4	: .06 1/4
Santonin, USP, bulk .....	141.00	: 145.00
Powd. bulk .....	142.00	: 147.00
Saponin, refined, 5 lb tins .....	1.25	: 1.50
Crude .....	1.00	: 1.25
Satin White, 500 lb bbls .....	.01 1/4	: .01 1/4
Scopolamine, see hyoscyne .....		
Seidlitz Mixture, 225 lb bbls .....	.16 1/4	: .16 1/4
SILICA		
Crude, bulk, mines .....	6.00	: 7.00
Refined, floated, bags .....	15.00	: 30.00
Air floated, bags .....	32.00	: 50.00
Extra, floated, bags .....	55.00	: 65.00
Colloidal, 1 doz bot .....	2.80	: 2.80
SILVER, metal American oz .....	.67	: .67
Iodide, 16 oz bot .....	.69	: .69
Nitrate 16 oz bot .....	.45 1/4	: .45 1/4
Nucleinate 1 oz bot .....	.41	: .41
Bulk, .....	.34	: .34
Protein, 1 oz bot .....	.36	: .36
Bulk .....	.29	: .29
Soap, Castile, 40 lb hzs .....	.20	: .25
Powd. USP, 250 lb bbls .....	.28	: .30
Green, USP, 450 lb bbls .....	.07 1/4	: .08 1/4
Soapstone, see Tale. crude .....		
SODA ASH, 58% light		
1-4 bags delivered NY .....	2.10	: 2.10
5 & Up bgs., del'd NY .....	2.04	: 2.04
1-4 bbls. del'd NY .....	2.44	: 2.44
5 & Up bbls del'd NY .....	2.29	: 2.29
Contract, Basis 58% dense bags wks .....	1.33	: 1.33
Prompt and spot, Basis 58% bgs c-l wks .....	1.43	: 1.43

SODA ASH (Cont.)		
c-l wks .....	100 lb	: 1.45
Pmpt. and spot, Basis 58% bags c-l wks .....	100 lb	: 1.50
SODA, CAUSTIC, 76% solid .....		
1-4 drums del'd. NY .....	100 lb	: 3.91
5 & Up drum del'd. NY .....	100 lb	: 3.76
Ground & Flake 76% .....		
1-4 drms. del'd. NY .....	100 lb	: 4.31
5 & Up drs del'd NY .....	100 lb	: 4.16
1-4 bbls del'd .....	100 lb	: 4.56
5 & Up bbls del'd .....	100 lb	: 4.41
Contract basis 76% c-l wks .....	100 lb	: 3.10
Pmpt. and spot Basis 76% c-l wks .....	100 lb	: 3.20
Contract 74% low grade c-l wks flat .....	100 lb	: 3.02
Ground & flake, 76% pmpt., and spot, wks, c-l drs 100 lb .....		: 3.60
Contract 76% drums c-l wks flat .....	100 lb	: 3.50
USP, stick, 19 lb cans .....	.19	: .21
Pure, stick, by alcohol .....	.25	: .27
Soda Sal. see Sodium Carbonate .....		
Sodium Metal, 12 1/2 lb bricks .....		: .27
SODIUM ACETATE, crys 450 lb bbls .....	.04 1/4	: .05
Aluminate 500 lb bbls wks .....	.07 1/4	: .08
Aluminum Sulfate, see alum soda .....		
Arsenite, 4 lb mtl. wks drn gal .....	.50	: .60
Drums, 8 lb material, wks gal .....	1.00	: 1.20
Benzate, USP, 100 lb bbls .....	.50	: .55
Bicarbonate, 400 lb bbls NY .....	2.41	: 2.41
Bbls c-l wks .....	100 lb	: 2.00
112 lb kegs c-l wks .....	100 lb	: 2.25
112 lb kegs NY .....	100 lb	: 2.66
Bichromate, 500 lb casks wks .....	.06 1/4	: .06 1/4
Casks c-l NY .....	.06 1/4	: .06 1/4
Casks, NY .....	.06 1/4	: .06 1/4
Bisulfite, dry powder 500 lb bbls wks .....	.03%	: .04
Imported .....		: .03%

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Must Be Deserved"*

(Acknowledgment to Chesterfield)

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Solvay Snowflake Crystals  
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Solvay Laundry Soda  
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Solvay Tanners Alkali  
Solvay Tanners Soda  
Solvay Liquid Caustic Soda  
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# Chemicals

## SODIUM (Cont.)

BROMIDE, USP, 450 lb bbls	.48	: .49
Cases, 50 lb	.48	: .49
Imp. USP., 220 lb cases	.42½	: .43
Bromate, 100 lb cs	...	: 1.15
Caocodylate, USP, 25 lb		
50 lb bot	5.90	: 6.10
Carbonate Sal Soda 350 lb bbls		
1c-1 NY	1.30	: 1.35
Works c-1	1.10	: 1.30
Monohydrate, 400 lb bbl		
1c-1 NY	...	: 2.40
Pure photographic 100 lb		
keg	.06	: .08
Chlorate, 112 lb kegs wks	.05½	: .06
Imported, 112 lb kegs	.06½	: .06½
Chloride, tech	12.00	: 13.00
C. P. 300 lb bbls	.05	: .06
Chromate 800 lb bbl	...	: .08
Citrate, USP, IX, 50 lb bbls		
kegs	.52	: .54
USP, VIII, 50 lb bbls/kegs	.45	: .47
Cyanide 98-98% 100 & 250 lb drums		
wks	...	: .20
c-1 wks	...	: .19
Imp. 95-97% 100 lb drms	...	: .18
c-1	...	: .18
Fluoride, 300 lb bbls, wks	.09	: .09½
Imp. 700 lb cks	.08½	: .09
Glycerophosphate USP, cryst. 25 lb cans	1.40	: 1.55
Powder, 25 lb tins	1.45	: 1.60
Solution, USP, 25 lb tins	1.05	: 1.20
Hydroxide, see Soda Caustic		
Hypochlorite Soln., 100 lb cys	...	: .05
14½ soln., 50 lb cys	...	: .04
Hydroxide, 200 lb bbls/kegs	.22	: .24
Fur Stripping, 50 lb cans	.20	: .25
Hypophosphite, USP, 25 lb cans	.70	: .75

## SODIUM (Cont.)

HYPOSULFITE, tech., pea crys.		
375 lb bbls, wks 100 lb	2.65	: 3.05
Bbls., c-1 wks	...	: 2.50
100 lb kegs, wks	2.80	: 2.90
Imp	2.75	: 3.00
Regular crys., bbls. wks 100 lb	2.40	: 2.65
Bbls., c-1 wks	2.40	: 2.50
Kegs, wks	2.35	: 2.45
Imp	2.35	: 2.45
Iodide, USP, 25 lb jars	4.25	: 4.50
Metanilate, 150 lb bbls	.70	: .75
Molybdate 100 lb kegs	...	: 1.10
Naphthionate, 300 lb bbls	.55	: .57
Nitrate crude, 95% 200 lb bgs		
c-1 NY	...	: 2.69
Feb. Shipment NY 100 lb	...	: 2.71
Double Refined 400 lb bbls		
gran. c-1 wks	...	: .03½
Nitrite, 500 lb bbls/spot makers	...	: .09
Imp., 650 lb casks	...	: .09
Ortho-Chloro-Toluene Sulfonate		
175 lb bbls, wks	.25	: .27
Oxalate, neutral, 100 lb kegs	.20	: .23
Perborate, 275 lb bbls	.21	: .22
Imp. 225 lb drs	.21	: .22
Peroxide, 200 lb cases	...	: .27
Phosphate, di-sodium, tech., 550 lb Bbls	3.55	: 3.90
USP, gran., 275 lb bbls	.07	: .07½
Imp. gran	.04½	: .05½
USP, Crystal, 275 lb bbls	.07½	: .08
Mono-sodium, 100 lb kegs	.30	: .31
Tri-sodium tech c-1 bbls 100 lb	...	: 3.90
Picramate, 100 lb kegs	...	: .60
Para-Toluene Sulfonate 175 lb bbls	.08	: .09
PRUSSIAN, yellow, 350 lb bbls		
wks	.10	: .10½
Imp 50 lb cks	.10	: .10½
Pyrophosphate, 100 lb kegs	.24	: .26
Salicylate, 100 lb kegs	...	: .40
Second hands, USP, kegs	.30	: .40

## SODIUM (Cont.)

Silicate, 40° turbid, tanks		
wks.	...	: .75
55 gal. drums, wks 100 lb	.85	: 1.10
40° clear, tanks, wks 100 lb	...	: 1.10
55 gal. drs. wks	1.20	: 1.45
42° turbid tks., wks	...	: .80
55 gal. drs wks	.90	: 1.15
42° clear, tanks, wks 100 lb	...	: 1.25
55 gal. lrs., wks	1.35	: 1.75
Silicofluoride, 450 lb bbls NY	.04½	: .05
Stannate, 100 drums	.42½	: .43½
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls		
c-1 wks	.03½	: .03½
Imp., 250 lb bbls	.02	: .02½
Sulfide, 60% solid, 650 lb drs.		
1c-1 wks	...	: .04½
Drs., c-1 wks	...	: .04
Imp., 700 lb drs NY	...	: .03½
60% broken, 650 lb drs. wks.	...	: .04½
Drs. c-1 wks	...	: .04
30% crys., 440 lb bbls. wks	.02½	: .02½
Imp., 400 lb bbls	...	: .02½
Sulfite, cryst., 400 lb bbls wks	.03½	: .03½
Anhydrous, 400 lb bbls	.09½	: .10
Sulfocarbonate, USP, 100 lb kegs	.32	: .34
Sulfocyanide, 400 lb bbls	.40	: .45
Tungstate, cryst., 100 lb kegs	.80	: .82½
SOLVENT NAPHTHA, 110 gal.		
drs. wks	.40	: nom.
8,000 gal tank ers wks gal	.35	: nom.
Sparteln Sulfate, USP, 2500 blk oz	...	: .60
Single oz. vial	...	: .77
Spruce, 25% liquid tanks, wks	.01	: .01½
bbls	...	: .01½
Powd., 50% 100 lb bags wks	.02	: .02½
Starch, rice, 140 lb bags	.09	: .10



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Columbia Chemical Division,  
Pittsburg Plate Glass Co., Barberton, Ohio

## Caustic Soda

All Tests

## Soda Ash

Dense-Light  
Granular if Desired

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Pig Lead  
Soda Ash  
Castor Oil  
Glycerine

Salt peter  
Empty Drums  
Olive Oils  
Blue Vitriol  
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Sulphur Oils  
Crude and Refined Sulphur

Caustic Potash  
Nitrate of Soda  
Phosphate Rock  
Carbonate of Potash  
Sodium Bicarbonate  
Sulphate of Ammonia

Powder Manufacturers' Supplies and Fertilizer  
Materials of All Kinds

## Chemicals

STARCH, powd, 1400 lbs c-1 1000 D	...	3.22	SULFUR	Brimstone, 250 lb bags c/1100 lb	1.95	2.15	Tar, kiln-burnt	...	bbl	...	15.50
Bags 1c-1	...	1000 D	3.12	Less 1 c/1 bag NY	1000 lb	2.05	2.35	Tartar Emetic tech.	7000 lbs D	...	39
Powd, 1400 lbs	...	1000 D	3.22	Soil, 5000 lbs bags c/1 NY	1000 lb	2.30	2.30	USP, 300 D bbls	...	D	31
Bags 1c-1	...	1000 D	3.22	Less c/1 bag NY	1000 lb	2.35	2.60	Tenidate 41, 100 lb drums	...	D	45
Potato domestic, 200 lb bags c-1 D	...	95%	06	Flour, Heavy, bags	1000 lb	2.70	2.95	Tenidate 69, 100 lb drums	...	D	45.80
Imported bags duty paid D	...	95%	07	Light 100% bags	1000 lb	2.80	3.05	Terpin Hydrate, USP, 100 lb bags	...	D	47
Wheat, dom thick bgs	...	98%	06	Rubbersmakers 100%	240 lb	...	...	Terpineol, CP, 1000 D drums	...	D	48
Thin bgs, D	...	99%	10	bbls, NY	1000 lb	3.05	3.30	Cans, 50 D	...	D	42
Sol. Potato	...	97%	07%	Commercial, 99% c-1 150 lb bags	...	...	...	Imported, cans 25 D	...	D	44
STANTONIUM Bromide, USP, 50 lb	...	...	...	NY	1000 lb	...	1.40	Terpinol Acetate, 25 lb cans	...	D	1.53
Bags	...	51	52	For Dusting, c-1 99%	1000 lb	...	...	Terra Alba, No 1, 3000 D bbls	...	D	1.98
Carb. N. F. 600 lb bbls, wks D	...	30	30	bgs NY	1000 lb	...	2.05	Tetralene, 50 gal drs, wks	...	D	30
100 lb bags, wks D	...	08	08	Flowers, 100% 155 lb bbls	...	...	...	Theobromine Alk, 5 lb bot.	...	D	3.80
Iodide, USP, 35 lb jars	...	4.90	4.90	N Y	1000 lb	...	3.35	Sod. Salicylate, 1 lb bot.	...	D	2.92
Nitrate 500 lb bbls NY	...	03	03%	Precipitated, 135 lb bbls NY	...	15	17	Thioacetarsulfid, 170 lb bbls	...	D	38
Imp, bbls NY	...	03	03%	Lac, 135 lb bbls NY	...	...	10	Thymol, USP, 25 lb tins	...	D	3.95
Sulfolate, USP, 100 lb bags	...	75	80	Sulfur Chloride, red, 700 lb drs	...	...	...	Iodide bags	...	D	6.75
STRYCHNINE Alkaloid, USP, crys.	...	...	...	wks	...	05	05%	TIN, metal, Straits NY	...	D	63%
100 cu. tins	...	61	61	150 lb chys wks	...	...	06%	99% American NY	...	D	62
Japanese cans	...	75	75	Yellow, 700 lb drs wks	...	03%	04%	Richloride, 50% soln. 100 D	...	...	...
Alk., powd, USP	...	51	51	Sulfur Dioxide, 100 lb cyl	...	08	09	bbls wks	...	D	17
Amale	...	55	55	Iodide, USP, VIII, 5 lb bot.	...	...	4.55	Crystals, 500 lb bbls wks	...	D	41%
Calcophosphat, USP	...	55	55	Sulfonyl Chloride, 600 lb drs	...	...	70	1000 lb kegs wks	...	D	42
Hydrobromide	...	55	55	Sumac, extract, liquid 450 D bbls	...	95	05	Iodide 5 lb boxes	...	D	07%
Hydrochloride	...	55	55	C.F. 450 D bbls	...	...	10%	Oxide 300 lb bbls wks	...	D	68
Hypophosphat	...	55	55	Stainless, 600 D bbls	...	11	11%	100 lb kegs wks	...	D	61
Nitrate, USP	...	55	55	Sumac, Stelly leaves 100 lb bags	...	100.00	nom.	Recovered bbls	...	D	60
Phosphate	...	55	55	Ground Sulphur	...	95.00	100.00	Tetrachloride, 100 lb drs wks	...	D	34%
Sulfate, USP, crys powd	...	42	42	Virginia, 150 lb bags	...	55.00	80.00	Titanium Oxide, bbls, wks	...	D	13
Saccharine	...	1.15	1.15	YALC, Italian 230 lb bags NY	...	40.00	50.00	Tolidine, 350 lb bbls	...	D	90
Strychnine preparations coated bases	...	...	...	Refined, white, bags	...	50.00	55.00	Sulfate, 350 lb bbls	...	D	88
1000 lbs lots in 10000 tins. Small minis;	...	...	...	French, 230 lb bags, NY	...	30.00	35.00	Toluene, 8000 gal tank cars wks	...	gal	35
1/4 cu vials, 50c extra; 1/4 cu vials, 35c	...	...	...	Refined, white, bags	...	35.00	45.00	110 gal drs wks	...	gal	40
extra; single ounce vials, 7c extra. Lots	...	...	...	Dom., crude, 100 lb bags NY	...	12.00	15.00	Nitration, Tank cars, wks	...	gal	37
of 25 can. 5c higher than above	...	...	...	Refined 100 lb bags NY	...	16.00	18.00	Drums, Wks.	...	gal	43
schedules. Lots of less than 25 can.	...	...	...	Tankage, ground, NY	...	4.25	10	Non-corrosive, Tank cars, wks	...	gal	38
10c higher per c.	...	...	...	High grade f.o.b. Chicago	...	3.25	10	Drums, wks	...	gal	41
Sugar Colature (See Caramel)	...	...	...	So. Am. e.s.f.	...	4.15	10	Touidins, Mixed, 900 D drs, wks	...	D	31
Sugar Milk, USP, 200 D bbls	...	30	31	Tapioca Flour, high grade bgs D	...	0.4%	05	Touid. Lithol Red bbls	...	D	85
Second Hand, USP, bbls	...	18	19	Medium grade, bags	...	0.3%	04	Fara Red bbls	...	D	80
Sulfonal, see Sulfoacetamide	...	...	...	Low grade, bags	...	0.3	03%	Tenidine	...	D	1.75
Sulfoethylmethane, USP, 10 km. D	2.55	4.95		Tar Coke Oven, Tls. wks	...	97	98	Tricactin, 50 gal drs wks	...	D	35
Sulfoacetamide, USP, 10 D bbs D	2.55	3.35		Water Gas, Tls. wks	...	97	98	Triphenylmethanol, 100 D cans	...	D	1.10
Crude, f.o.b. mines	...	17.00		Retort	...	...	15.50	Trional, see Sulfoacetamide	...		
								Triphenylguanidine	...	D	73
								Triphenyl Phosphate, 450 D bbls D	...	D	73

## THE NEWPORT PRODUCTS

## HEXALIN

[Hexa Hydro Phenol]

## TETRALIN

[Tetra-Hydro-Naphthalene]

**Immediately Available**

**Newport Chemical Works**  
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40 Rector Street  New York, N. Y.

## Coast to Coast Producing Points!

PRICES CURRENT SECTION

## Chemicals

Trippel, 500 lb bbls .....	100 lb	2.50	3.00
Tungsten, NY .....	W.O. unit	12.00	13.00
Turkey Red Oil, bbls single .....	D	.11	.12
double .....	D	.16	.18
Turpentine Spirits bbls .....	gal	1.01 1/2	1.05
Wood steam Dist., bbls .....	gal	1.01	1.05
Ultramarine Blue .....	D	.15	.25
UREA, pure, 112 lb cases .....	D	.18	.30
Valonia Caps, 30-31% tan .....	ton		34.00
Beard 42% tan, bags .....	ton	55.00	
Mixture, 36% tan bags .....	ton		39.00
VANILLIN, USP, 500 oz cans .....	oz		.49
Cans, 80 oz .....	oz		.60
Cans, 16 oz .....	oz		.61
Second Hands .....	oz	.47	.49
Venetian Red .....	D		.66
Vermilion, Amer. 100 lb bags .....	lb	.35	.40
English, bags .....	lb	1.40	1.45
Verdigris Sulfate, 1 oz vial .....	oz		1.85
Hydrochloride, 1 oz vial .....	oz		1.85
Veronal, see Acid Diethylbarbiturate			
Vulcone, 250 lb bbls, wks .....	lb	.74	.77
Wattle Bark, bags .....	ton	40.75	41.00
Extract 55% chls bgs ex-dock .....			.05 1/2
WHITE LEAD, see lead, white			
White Precipitate, see mercury			
Whiting, 200 lb bags, c/l wks 100 lb .....	lb		1.35
Alba bags NY c-l .....	ton		13.00
Gilders, bags NY c-l .....	100 lb		1.35
French, bags NY c-l .....	ton	14.50	19.00
English, bags NY c-l .....	ton	21.00	22.00
Paris white bags c-l .....	100 lb	1.	1.
Witch Hazel Extract, 50 gal. bbls gal .....	gal	1.95	1.10
XYLENE, 3° dist range nitration			
110 gal drs NY .....	gal	.70	nom.
3° dist. range, 8000 gal. tanks			
wks .....	gal	.55	nom.
110 gal drs wks .....	gal	.60	nom.
10° dist. range drms, wks gal .....	gal	.55	nom.
Tanks wks .....	gal	.50	nom.
Com'l 110 gal drs wks gal .....	gal	.41	nom.
Tanks, wks .....	gal	.38	nom.
Xylydine, crude .....	lb		.37
Refined .....	lb	.40	.42

YARA YARA, 1 lb time .....	D	1.85	1.90
Yehimbin Hydrochloride, 1 oz. vial .....	oz	2.15	4.00
Resale .....	oz	2.75	3.00
Yolk Oil bbls .....	D		.35
ZINC, METAL, high grade, slabs			
c-l NY .....	100 lb	8.40	8.50
ammonium Chloride, powd., 400 lb			
bbls .....	D		.06 1/2
Carb. tech bbls NY .....	D	.00 1/2	.10
USP, 100 lb bags .....	D		.30
Chloride, fused, 400 lb drs. wks .....	D		.07 1/2
Dr. c/l wks .....	D		.06
Granulated, 500 lb bbls wks .....	D	.06 1/2	.08
Imported dr NY .....	D	.06 1/2	.07
Solution, 50%, tanks wks 100 lb			3.00
USP, 25 lb jars cont. ex. .....	D	.27	.29
Cyanide, 100 lb drs .....	D	.40	.41
Dust, 100 lb time, wks .....	D		.10
500 lb bbls bags c/l wks .....	D		.09
500 lb bbls, bags, c/l wks .....	D		.09 1/2
Iodide, 5 lb bbls .....	D		5.35
Nitrate, 25 lb jars .....	D		.45
Oxide, Amer. Bags wks .....	D	.07 1/2	.07 1/2
Amer 300 lb bbls wks .....	D	.07 1/2	.07 1/2
French, 300 lb bbls wks .....	D	.10 1/2	.12 1/2
Bel. c-l wks .....	D	.10 1/2	.12 1/2
Bags, c-l wks .....	D	.10 1/2	.12 1/2
USP, 100 lb bbls c/l .....	D		.14
10-25 bbl lots .....	D		.15
5 bbl lots .....	D		.16
1 bbl lots .....	D		.17
Imported, white seal, bbls .....	D	.12	.13 1/2
Green seal, bbls .....	D	.11 1/2	.12
Red seal, bbls .....	D	.10 1/2	.11
Stearate, USP, 50 lb bbls .....	D	.21 1/2	.24
Small lots .....	D	.23	.27
Second hands .....	D	.20	.21
Sulfate, 400 lb bbls wks .....	D	.03 1/2	.03 1/2
Bbls, c/l wks .....	D		.08
USP 100 lb bbls .....	D	.14	.15
Sulfide, 500 lb bbls .....	D	.30	.32
Sulfocarbonate, 100 lb bags .....	D	.30	.32
Zirconium, oxide, pure .....	D	.45	.60
Semi-ref'd, bgs .....	D	.08	.10
Natural, bgs .....	D	.03 1/2	.03

## Oils - Fats

Castor, No. 1, 400 lb bbls .....	D	.14	.14 1/2
80 lb cases .....	D	.15	.15 1/2
No. 3, .....	D	.13 1/2	.14
Blown, 400 lb bbls .....	D		.18
China Wood, spot NY .....	D	.12 1/2	.13
Tanks Spot, NY .....	D	.11 1/2	.12
Coast tanks .....	D	.11	.11 1/2
Coconut Ceylon, 375 bbls NY .....	D	.11 1/2	.11 1/2
8,000 gal tanks NY .....	D	.10 1/2	.10 1/2
Cochin, 375 lb bbls NY .....	D	.12 1/2	.12 1/2
Tanks NY .....	D		.11 1/2
Manila bbls NY .....	D	.11 1/2	.11 1/2
Tanks, Pacific Coast .....	D	.09 1/2	.10
Edible bbls NY .....	D	.13 1/2	.14
Cod Newfoundland, 50 gal bbls .....	gal	.69	.70
Tanks, NY .....	gal	.63	.64
Cod Liver, see Cod Liver Oil under Chemicals			
Copa, bags .....	D	.06	.06 1/2
Corn, ref., 375 lb bbls NY .....	D	.13	.13 1/2
Tanks .....	D	.12	.12 1/2
Crude tanks mills .....	D		.09 1/2
Bbls NY .....	D	.12	.12 1/2
Feb-Sept .....	D	.11	.11 1/2
Cottonseed crude tks. mill .....	D		.09 1/2
PSY 100 bbls NY spot .....	D		.11 1/2
White 100 bbls lots, NY .....	D		.13 1/2
Winter yellow, 100 bbls NY .....	D		.13 1/2
Degras, Amer, 50 gal bbls, NY .....	D	.04 1/2	.04 1/2
English, light, bbls, NY .....	D	.05 1/2	.05 1/2
Brown, bbls, NY .....	D	.04 1/2	.04 1/2
Light brown, bbls, NY .....	D	.04 1/2	.04 1/2
Dark, bbls, NY .....	D	.03 1/2	.04
Neutral, bbls, NY .....	D	.07 1/2	.12
Moellon, bbls, NY .....	gal		.50
Greases choice white bbls NY .....	D	.11 1/2	.11 1/2
Yellow .....	D		.09
House .....	D		.08 1/2
Brown .....	D		.08 1/2



## Pickwick Arms

(at Greenwich, Connecticut)

The American Association of  
Textile Chemists and Colorists

is invited to observe the reaction upon the human system of appetizing Pickwick food, of outdoor sports in the invigorating Greenwich hills, or dancing to the music of a crack jazz orchestra. After working out this week-end formula you will be glad your attention was called to this inn of unusual hospitality.

Edw. C. Railing, Manager  
Formerly of the Plaza, New York.

*Walter Buzzardi*  
President.



## Oils - Fats

Shipping, Tanks, Coast .....	gal	.40	: nom.	Peanut refined bbls NY .....	lb	.15	: nom.
Sows, 375 lb bbls, NY .....	lb	.10	: nom.	Crude, mills buyers' tks .....	lb	.10	: nom.
Lard, prime steam, bbls .....	lb	.17%	: .17%	Crude, bbls, NY .....	lb	.11	: nom.
Compounds, bbls .....	lb	.14%	: .14%	Perilla, bbls NY .....	lb	.15%	: .15%
LARD OIL edible prime .....	lb	.18%	: .18%	Poppyseed, bbls NY .....	gal	1.85	: 2.00
Off prime bbls .....	lb	.15%	: .15%	Rapeseed refined bbls NY .....	gal	.94	: .95
Extra bbls .....	lb	.14%	: .14%	Blown bbls NY .....	gal	1.14	: 1.15
Extra, No 1 bbls .....	lb	.14%	: .14%	Red Oil, distilled bbls .....	lb	.10%	: .11%
No. 1, bbls .....	lb	.13%	: .13%	Tanks .....	lb	.10	: .10
No. 2, bbls .....	lb	.13%	: .13%	Saponified, bbls .....	lb	.11%	: .11%
LINSEED, raw c-1 bbls spot .....	lb	.113	: .113	Tanks .....	lb	.10%	: .10%
Five bbls raw .....	lb	.117	: .117	Salmon, 8000 gal. tks. Coast .....	gal	.50	: nom.
Tanks, raw .....	lb	.105	: .105	Sardine, Tanks, Pacific Coast .....	gal	.57	: .57
Bottled, 5 bbl lots wks .....	lb	.12	: .12	Sesame, edible, yellow bbls .....	lb	.13%	: .14
Double bottled 5 bbl .....	lb	.122	: .122	White .....	lb	.14%	: .15
Jan.-April c-1 wks .....	lb	.113	: .113	Sod Oil, bbls, NY .....	gal	.40	: .40
Imported bbls, NY .....	gal	.113	: .113	SOYA BEAN, crude tks, Pacific Coast .....	lb	.10%	: .10%
Tanks, NY .....	gal	.113	: .113	Crude, tks NY .....	lb	.12%	: nom.
Menhaden, crude tanks, Balt .....	gal	.55	: nom.	Crude, bbls NY .....	lb	.13%	: .13%
Light pressed, bbls NY .....	gal	.73	: .74	Refined, bbls NY .....	lb	.14%	: .14%
Yellow, bleached bbls NY .....	gal	.75	: .77	Sperm, 38° c.t. blchd. bbls NYgal	lb	.87	: .89
Extra bleached bbls NY .....	gal	.77	: .79	45° cold test, blchd., bbls NYgal	lb	.84	: .86
Blown, bbls, NY .....	lb	.10%	: .10%	STEARIC ACID,			
Neatsfoot 20° c.t. bbls NY .....	lb	.22%	: .22%	Double pressed, bags distilled .....	lb	.15%	: .15%
Pure bbls NY .....	lb	.17%	: .17%	Double pressed, bags saponified .....	lb	.15%	: .15%
Extra bbls NY .....	lb	.14	: .14	Triple pressed, bags, distilled .....	lb	.17%	: .18
No. 1, bbls NY .....	lb	.13%	: .13%	Triple pressed, bags, saponified .....	lb	.17%	: .18
C.P. bbls NY .....	lb	.22%	: .22%	Stearine oleo, bbls .....	lb	.12	: .12
Oleo Oils No. 1, bbls NY .....	lb	.13	: .13	Tallow edible, tierces .....	lb	.11	: .11
No. 2, bbls NY .....	lb	.11%	: .11%	City Extra loose .....	lb	.09%	: .09%
No. 3, bbls NY .....	lb	.11	: .11	Tallow Oil, acidless tks, NY .....	lb	.11%	: .11%
OLIVE denatured bbls, NY .....	gal	1.20	: 1.25	Bbls c-1 NY .....	lb	.12%	: .12%
Edible, bbls, NY .....	gal	2.00	: 2.80	Walnut, crude bbls NY .....	lb	.76	: .78
Foots bbls NY .....	lb	.08%	: .08%	Whale, nat winter bbls, NY .....	gal	.78	: .80
Shipments .....	lb	.08%	: .08%	Blehd winter bbls, NY .....	gal	.78	: .80
Palm Lago, 1500 lb casks .....	lb	.09%	: .09%	Extra Bleh, bbls, NY .....	gal	.80	: .82
Niger casks .....	lb	.08%	: .08%	Crude No 1, tanks coast .....	gal	.80	: .82
Bonny old Calabar, casks .....	lb	.08%	: .08%	Crude No. 2, tanks coast .....	gal	.80	: .82
Palm Kernel bbl NY .....	lb	.10%	: .10%	Crude No. 3 tanks coast .....	gal	.80	: .82
Casks .....	lb	.09%	: .10				

## Crude Drugs

Acetabulum Gum, red, one Yarn .....	lb	.09	: .10
ACONITE LEAVES, bales .....	lb	.25	: .29
Root, USP, bags .....	lb	1.30	: 1.40
Agar Agar, 1, 200 lb bbl .....	lb	1.30	: nom.
No. 2, bales .....	lb	1.10	: 1.20
No. 3, bales .....	lb	1.10	: 1.20
Shipment .....	lb	.80	: .80
Agaric white, cases .....	lb	1.25	: 1.50
Granulated, boxes .....	lb	.55	: .60
Almonds, bitter, boxes .....	lb	.65	: .70
Sweet, boxes .....	lb	.24	: .26
Meal, barrels, boxes .....	lb	.42	: .43
Aletris Root, bags .....	lb	.08%	: .10
Alkanet Root, bag .....	lb	1.25	: 1.35
Aloes, Barbadoes, 120 lb bbls .....	lb	.11	: .15
Cape, 400 lb cases .....	lb	.12	: .16
Curacao, 100 lb cases .....	lb	.12	: .16
Sootrine whole, 300 lb cs .....	lb	.48	: .50
Althea Root Cut cs .....	lb	.50	: .55
Ord. & Fed. bgs .....	lb	18.00	: 20.00
Ambergris, black boxes .....	oz	30.00	: 35.00
Grev, boxes .....	lb	.75	: .80
Ammoniac, tears, bags .....	lb	.16	: .17
Angelica Root, 50m. bags .....	lb	.15	: .20
Angostura Bark, bags .....	lb	.14%	: .15
Anise, Levant, bags .....	lb	.15	: .18
Russian bags .....	lb	.15	: .16
Star Case .....	lb	.12%	: .13%
Spanish bags .....	lb	.15	: .18
Anatto Seed, 200 lb bags .....	lb	.34	: .35
ARABIC GUM,			
White, No. 1, 200 lb bags .....	lb	.23	: .25
Seconds, 250 lb bags .....	lb	.13	: .13%
Sorts, Amber 200 bags bbl .....	lb	.19	: .22
Powd., USP, 300 lb bbls .....	lb	.18	: .20
Area Nuts 150 lb bags .....	lb	.22	: .23
Powd., 200 lb bbls .....	lb	.13	: .14
Arnica Flowers, bales .....	lb	.13	: .14
Root, bags .....	lb	.13	: .14

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## Crude Drugs

Arrowroot, Amer. Powd. bbls....	D	.10	: .10%	Burdock Root, bags.....	D	.09	: .10	Cassia Batavia, No. 3 bales....	D	.09%	: .10
Serrula, bbls.....	D			Seed bags.....	D		: .60	China, Select rolls cases....	D	.08%	: .08½
St. Vincent Powd. bbls.....	D	.13	: .14	Burgundy Pitch dom 110 stands	D			Broken, bales.....	D	.08%	: .08½
Assafetida, USP, 250 lb cases....	D	.30	: .35	Gross for net.....	D	.08	: .08½	Saigon, Cut thin.....	D	.27½	: .28
Powd. 50 lb bxs.....	D	.45	: .50	Imported.....	D	.11	: .12	Buds, cases.....	D	.23½	: .24
BALM GILEAD BUDS, bags.....	D	.40	: .42	Calabar Beans bags.....	D	.65	: .70	Cassia Fistula, baskets.....	D	.07	: .09
Salmoney Herbs, bales.....	D		: .16	Calamus Root, bleached, cases....	D	.45	: .48	Castile Soap, USP, powd., 200 lb	D		
<b>SALSAMS</b>				Unbleached bags.....	D	.06½	: .07	bals.....	D	.30	: .32
Copaiba, Para 80 lb cs.....	D	.37	: .39	Calendula Petals Imp bales.....	D	.80	: .90	Powd., USP, 200 lb bbls.....	D	.30	: .33
South American 80 lb cs D			: .42	Alkaya Bark, bales powd.....	D	.35	: .39	Castor Beans, bags.....	D	.03	: .03½
Fir Canada, cases.....	gal	11.00	: 13.00	<b>Camphor, see Chemicals</b>				<b>Castoreum, See Aromatic Chemicals, Perfumes, Sun-</b>			
Oregon bbls cases.....	gal	.95	: 1.20	Canary Seed, Morocco, bags....	D	.07½	: .08	dries			
Peru, 120 lb cases.....	D	1.50	: 1.80	Spanish bags.....	D	.08½	: .08½	Catnip Herb, bales.....	D	.33	: .36
Tolu, 120 lb cases.....	D	1.20	: 1.30	South American, bags.....	D	.05½	: .06½	Catechu Gum bags.....	D	.11	: .12
Bamboo Brier Root, bags.....	D	.06	: .07	Dutch bags.....	D	.06	: .06½	Celery Seed bales.....	D	.22½	: .23
Raspberry Bark, tree bales.....	D	.13	: .15	Candelilla Wax, bags.....	D	.36	: .38	Ceratin Wax, white bags.....	D	.13	: .20
Root, bags.....	D	.30	: .32	Canella, Alba Bark, bales.....	D	.42	: .46	Yellow, 200 lb bags.....	D	.10	: .12
Bayberry Bark, bales.....	D	.09	: .10	Cannabis, true Imp., bags.....	D			Imp., 100 lb bags.....	D	.28	: .33
Wax bbls.....	D	.21	: .22	American (no assay) bales....	D	.22	: .25	<b>CHAMOMILE FLOWERS, Roman</b>			
Belladonna Leaves, bales.....	D	.24	: .25	USP.....	D	.35	: .40	casey bales.....	D	.20	: .25
Root bags.....	D	.16	: .18	Antharides, Chinese cases.....	D	.78	: .80	Hung, cases bales.....	D	.19	: .25
Bees Wax, white cases.....	D	.56½	: .58	Powdered bags.....	D	1.00	: 1.15	Charcoal, Willow powd bbls....	D	.08	: .08½
Yellow, refined, cases.....	D	.46	: .47	Russian, cases.....	D	.60	: .65	Wood powd. bbls.....	D	.04	: .05
Crude bags.....	D	.42	: .45	Powdered boxes.....	D	.75	: .80	Chestnut Bark, bags.....	D	.07	: .08
Benzoin Gum, Siam, boxes.....	D	1.10	: 1.45	Caraway Seed, African, bags....	D	.07½	: .08	Herb, bales.....	D	.06	: .06½
Bumatra 80 lb boxes.....	D	.26	: .28	Dutch, 11 lb bags.....	D	.06½	: .07	Chicle Gum, 100 lbs.....	D	.75	: .80
Berberis Aquifolium Root, bags....	D	.12	: .13	Cardamom, bleached cases.....	D	2.50	: nom.	Chiretia bales.....	D	.07	: .10
Beth Root, bags.....	D	.22	: .25	Decorticated cases.....	D	2.00	: 2.20	Cinchona Bark, red quill bales..	D	.65	: .75
Bitter Root, 100 lb bags.....	D	.40	: .48	Green, grinding bags.....	D	1.35	: 1.45	Broken cases red.....	D	.25	: .39
Blackhaw Bark, root bales.....	D	.39	: .32	Carnauba Wax, Flor., bags.....	D	.50	: nom.	Yellow.....	D	.24	: .25
Tree, bales.....	D	.15	: .16	Powd.....	D	.50	: nom.	Cinnamon, Ceylon No.1, bales....	D	.50	: .51
Black Indian Root, 100 lb bags....	D	.40	: .47	No. 1, Yellow bags.....	D	.47	: .48	No. 2, bales.....	D	.48	: .49
Blood Root, bags.....	D	.12	: .13½	No. 2, regular bags.....	D		: nom.	No. 3, bales.....	D	.47	: .48
Blueflag Root, bags.....	D	.25	: .27	No. 2, N Country bags.....	D		: nom.	West. Abyssin horns.....	D	2.55	: 2.50
Boldo Leaves, bales.....	D	.19	: .23	No. 3, N Country bags.....	D	.36	: .38	Clover Tops bags.....	D	.16	: .17
Bonaset Herb, bales.....	D	.08	: .08½	No. 3, chalky bags.....	D	.36	: .38	Cloves, Zanzibar 145 lb bales....	D	.26	: .26½
Leaves, bales.....	D	.09	: .1	Cassia Batavia, No. 1, bales....	D	.10%	: .11	Amboyas, bales.....	D		: nom.
Borage Flowers, bales.....	D	.17	: .19	So-called bales.....	D	.70	: .72	Pecacas, bales.....	D	.40	: .42
Bryonia Root, bags.....	D	.11	: .13	acacia Sagrada, bales.....				Cochineal, Black.....	D	.65	: .67
<b>BUCHU LEAVES, short, 350 lb</b>				1923 bark.....	D	.18	: .20	Silver.....	D	.67	: .68
bale.....	D	.54	: .58	1924 bark.....	D	.15	: .16	Joca Leaves, Hunan bags.....	D		
Less bales.....	D	.60	: .65	1925 bark.....	D	.13½	: .14	Truxillo, bags.....	D		
Long bales.....	D		: .3	Cascarilla Bark, quills, bales D		1.20	: 1.25	Cohosh Root, Black bags.....	D	.08	: .09
Buckbean Leaves, bales.....	D	.11	: .13	<b>Straps, bbls.....</b>				Blue, bags.....	D	.08½	: .10
Buckthorn Bark, bags.....	D	.06	: .07	Cassia Batavia, No. 1, bales....	D	.10½	: .11	Calcichum Root, bags.....	D	.06½	: .07
Berberis.....	D	.60	: .65	Shortstick, bales.....	D	.09%	: .10	Seed, bags.....	D	.16	: .17

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Coltsfoot Leaves, bags	.11	.14	Kiecampans Root, bags	.08	.08%	Guarana, time cases	.85	.90
Comfrey Root, bags	.13	.14	Elder Flowers, bags	.10	.10%	GUM, see Arabic Gum, etc.		
Cendurango Bark, bag	.13%	.13	Elemi Gum, 85 lb cases	.25	.26	NELLEBORE ROOT,		
Contum Herb, bags	.11	.12	Elm bark, select 5 lb bundles cases	.24	.26	Black, bbls	.06	.07
Seed, bags	.10	.11	Grinding, bags	.14%	.16	Powdered	.13	.15
Copaiba Balsam Para, see Balsam			Powdered, bbls	.22	.28	White, 250 lb bbls	.09	.10
Copal Gum	.12	.13	ERGOT 150 lb 200 lb bags	.74	.80	Powdered	.13	.15
Sorlander Seed, Bombay, bags	.08	.08%	Eucalyptus Leaves, bales	.05%	.06	Helonias Root, (unclean false)	.62	.65
Morocco, bags	.04%	.05%	Euphorbia Pilulifera Herb, bags	.08	.09	bags	.04%	.05
Bleached bags	.08	.08%	Euphorbium Gum, cases	.23	.27	Hemp Seed, Bags	.26	.27
Corn Silk bales	.05%	.06	Powdered boxes	.28	.30	Henbane Leaves, bales USP,	.24	.26
Cotton Root Bark, bales	.13	.14%	Fennel Seed, French, bags	.07%	.08%	No. assay	.08%	.10
Cowhage, oz. tins	.02	1.50	German bags	.12%	.14	Henna Leaves, bales	.11	.13
Cramp Bark, so-called bales	.05%	.07	Indian, bags	.08%	.09	Powdered	.11	.13
Trin, bags	.30	.32	Fenugreek Seed, 200 lb bags	.04%	.05%	Honey, Calif., 120 lb cases	.11	.12
Cranebill Root, bags	.09	.10	Fish Berries, 100-125 lb bags	.06	.07%	Hops, NY prime bales	.28	.30
CUBE BERRIES, XX bags	.58	.60	Flax Seed, whole 180 lb bbls	.14.75	.14.75	Pacific Coast prime bales	.28	.27
Powdered, bxs	.63	.65	Ground, 180 lb bbls	.08	.08%	Horehound Herb, bales	.08%	.09
Culvers Root, bags	.18	.20	Fringe Tree Bark, bags	.23	.23	Horse Nettle, Berries, bags	.28	.28
Cumin Seed, bags	.11%	.12	Fumigating Pastilles Black, 1 lb	.40	.42	Horsetail Rush, bags	.15	.15
Malta bags	.11%	.12	Med. 1 lb boxes	.45	.50	Hydrangea Root, bales	.80	.10
Morocco bags	.11%	.11	GALANGAL ROOT, bags	.09	.10	India Gum, see Karaya		
Cuttlefish Bone, Trieste, straps	.12%	.13	Galbanum Gum, cases	.1.35	.1.35	INSECT FLOWERS, open whole		
Jewelry large, straps	.50	.50	Gambier Gum, bbls	.10	.10	Rais	.17	.21
Small, straps	.35	.35	Gamboge Gum, 100 lb cases	.1.10	.1.20	Powdered	.25	.26
French straps	.12%	.15	Powdered cases	.09	.10	Closed, whole bales	.24	.25
Powdered, boxes	.08	.09	Gelsemium Root, bgs	.07%	.08	Powdered pure 200 lb bbls	.28	.30
Brakes, boxes	.67	.67	Gentian Root, bags	.11	.12	Ipecac Root, Cartagena bags	3.30	3.35
Damar Gum, Batavia, 136 lb cs	.28	.28%	Ground, bbls., boxes	.11	.12	Powdered 200 lb bbls bxs	3.25	3.65
Singapore No 1 cs	.39	.40	Powdered, boxes	.11	.12	Rio Whole, bags	3.25	3.30
Damiana Leaves, bales	.18	.20	Ginger African bags	.14%	.14%	Powdered 200 lb bbls bxs	3.60	3.65
Dandelion Root, Imp., bags	.25	.25	Jamaica, grinding bags bbls	.17%	.18	Isinglass American, 130 lb cs	.80	.90
Deer Tongue Leaves bales	.25	.30	Japan, bags	.20	.21	Madras (Beluga) bxs. cases	4.00	4.60
Dill Seed, bags	.06	.07	Cochin, ABC & Lemon bgs	.16%	.17	JABORANDI LEAVES, bales	.09	.10
Cleaned bags	.15	.15	Hinseng Root, cultivated, bags	8.00	10.00	Jalap Root, whole 150 lb bags	.25	.30
Dogwood Bark, Jamaica bags	.10	.11	Northwestern Wild, bags	12.00	14.00	Powdered, USP, 250 lb bbls	.32	.38
American, bales	.07	.07	Southern Wild, bags	8.00	10.00	Japan Wax, 224 lb cs	.17	.18
Doggrass Root, USP, cut bags	.11%	.12%	Golden Seal Root bags	4.85	5.25	Job's Tears, White, bags	.13	.13
Dragons Blood, mass cases	.70	.75	Powdered boxes	5.45	5.50	Juniper Berries, 125 lb bags	.05%	.06%
Reeds, boxes	.95	1.00	Herb bls.	1.25	1.25	Sifted bags	.06	.06
ECHINACEA, Root bags	.30	.33	Grains of Paradise, bags	.14	.15	KAMALA USP, boxes	.93	.95
			Grindelia Robusta Herb, bales	.09	.09%	Karava Gum, powdered, bbls	.10	.25
			Gualac Gum, 80 lb cases powd	.40	.50			



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## Crude Drugs

Kauri Gum No. 1	.68	.70	Marjoram Leaves, French, bales	.46	.47	Opium, Powdered, USP, cases	13.00	14.00
Kava Kava Root bags	.16	.17	Chilian, bales	.36	.37	Orange Flowers, cases	.35	1.35
Kino Gum, black cases	.50	.55	Mastic Gum, 120 lb cases	.50	.51	Peel, bitter, bags	.07	.08
Kola Nuts, 150 lb bags	.05½	.06	Matico Leaves, bales	.45	.48	Sweet bags	.11	.11½
Koumso Flowers, bags	.50	1.25	Mexereon Bark, bags	.11	.13	HARRIS ROOT, Florentine bold bags	.09	.10
LADY SLIPPER ROOT, bags	.45	.50	Millet Seed, dom., yellow bags	.03½	.04	Powdered 200 lb bbls	.13	.13
Larkspur Seed, bags	1.90	2.10	Montan Wax, crude bags	.07	.08	Verona, bags	.09	.10
Laurel Berries, bags	.08½	.09	Bleached bags	.25	.30	Powdered 200 lb bbls	.11	.12
Leaves, Greek bags	.04½	.05	Moss, Iceland, bales	.08	.08½	Fingers, cans	.60	.65
Italian bales	.04½	.05	Irish, bleached, bales	.12	.13	Quakerite Wax, brown hard bags	.24	.25
American, bales	.25	.25	Ordinary, bales	.09	.10	Green, hard bags	.30	.31
Lavender Flowers, ordinary	.28	.30	Mullein Flowers, tins	.85	.90	Refined, yellow, bags	.27	.27
Selected	.40	.45	Musk, pow., carboline, tins	16.00	17.00	PAPRIKA, bags	.21	.26
Leeches tubs	Per 100	3.00	Tonquin tins	24.00	26.00	Fareira Brava Root, bags	.11	.13
Lemon Peel, bags	.07½	.08	Grain Cab tins	25.00	26.00	Parley Seed, bags	.16	.17
Leoprice Root, Russian whole bbls	.12	.13	Tonquin tins	36.00	44.00	Patchouli, Leaves bales	.19	.20
Spanish, natural bales	.05½	.07	Grain Cab tins	25.00	26.00	Peltitory Root, bales	.15	.16
Powdered, bbls	.08½	.10½	Grain Cab tins	25.00	26.00	Pennyroyal	.08	.09
Selected, 2 & 5 lb bundles	.13	.16	Grain Cab tins	25.00	26.00	Pepper black, Slog. bags	.36	.37
Cuttings 125 lb bags	.06	.07	Grain Cab tins	25.00	26.00	White bags	.36	.37
Turkish, 150 lb bales	.05	.06	Grain Cab tins	25.00	26.00	Aleppy, bags	.31½	.32
Time Juice, clarified bbls	.60	.65	Grain Cab tins	25.00	26.00	Lempong bags	.31	.31½
Linden Flowers with leaves, bales	.12	.15	Grain Cab tins	25.00	26.00	Tellecherry, bags	.32½	.33
Without Leaves, bales	.20	.25	Grain Cab tins	25.00	26.00	Muntok, bags	.36½	.37
Lobelia Herb, bales	.37	.40	Grain Cab tins	25.00	26.00	Red Chillies Japan No 1 bags	.15	.16
Seed, bags	.60	.70	Grain Cab tins	25.00	26.00	Mombasa, bags	.10	.10½
Lovage Root, Imported bags	.18	.25	Grain Cab tins	25.00	26.00	Capiteum, Bombay, bags	.10½	.10¾
Lupulin, N.F. tins	1.70	1.75	Grain Cab tins	25.00	26.00	Peppermint leaves, imp., bales	.50	.50
Lupulin, N.F. cases	1.00	1.05	Grain Cab tins	25.00	26.00	Domestic	.24	.40
Lycopodium, 88 lb cs	.90	.95	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
MACE, Slauw, No 1	1.00	1.02	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
Randa, No 1, cases	1.10	nom.	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
Batavia, No. 2 cases	.86	.86½	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
West India, cases	.93	.94	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
Malva Flowers, blue bales	.40	.45	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
Black, bales	.60	nom.	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
Manaca Root, bales	.16	.20	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
Manna, large flake cases	.60	.62	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
Small flake cases	.40	.48	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
Softs, cases	.30	.30	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
Mandrake Root, bags	.12	.14	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
Marjoram Leaves, German bales	.48	nom.	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20
African, bales	.48	nom.	Grain Cab tins	25.00	26.00	Herb bbls	.18	.20

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Essential Oils



# Crude Drugs

Poppy Seed, Dutch bags .....	.13 1/4	.15	Savory Leaves, bales .....	.09 1/4	.09 1/4	Spruce Gum, boxes .....	1.04	
erman bags .....	.09 1/4	.10	Saw Palmetto Berries bags .....	.35	nom.	Squaw Vine, bales .....	.16 1/4	.19
Turkish, bags .....	.08 1/4	.09 1/4	Scammony Resin, boxes .....	1.35	1.50	Squilla, white .....	.95	.05 1/4
Blue Indian, bags .....	.10	.10 1/4	Root bags .....	.07 1/4	.08 1/4	Powdered bulk .....	.12	.13
White Indian bags .....	.07 1/4	.08	Senega Root, bags .....	.68	.70	Stavesacre Seed, bags .....	.27	.30
Prickly Ash Bark, Southern, bags .....	.13	.14	SENNA, Alex 150 lb cases .....	.23	.25	Sticklac, 250 lb bales .....	.30	.36
Northern bags .....	.16	.18	Half Leaf, 150 lb cases .....	.13	.15	Stillingia Root, bags .....	.11	.12
Berries bags .....	.70	.75	Siftings, 400 lb bales .....	.09	.11	Stone Root, bags .....	.09	.10
France's Pine, bales .....	.16	.17	Powdered, 200 lb bbls .....	.13	.14	St. Ignatius Beans, bags .....	.13	.14
Pulsatilla Herb, bags .....	.11	.12	Tinnerelly, Bold, 350 lb bbls .....	.12 1/4	.14	St. John's Bread bags .....		.07 1/4
Pumpkin Seed, bags .....	.17	.19	Medium Leaf bbls .....	.10	.11	Stramonium Leaves, bales .....	.12 1/4	.13
QUASSIA CHIPS, bags .....	.06 1/4	.07 1/4	Small Leaf .....	.07	.08	Seed bags .....	.08	.09
Quebracho, bk., 125 lb bbls .....		.55	Powdered, 200 lb bbls .....	.10	.12	Strophanthus Seed, Elspidus .....		nom
Queen of the Meadow Herb .....		.07 1/4	Pods, 350 lb bales .....	.13	.17	Kombe bags .....		nom
Root, bgs .....		.08 1/4	Serpentaria Root, bags .....	.80	.85	Styrax, liquid artif. .....	.35	.40
Quince Seed, bags .....	.75	.80	Shellac, D.C. bags .....	.70	.71	Gen. USF .....	.35	.45
Cape bg. .....	.90	.95	V.S.O. bags .....	.70	.71	Sunflower Seed, domestic bags .....	.05 1/4	.06
RAPE SEED, South Amer. bags .....	.06 1/4	.07	Diamond L. bags .....	.70	.71	South American, bags .....	.05	.06 1/4
Untrb. bags .....	.06 1/4	.06 1/4	Superfine, Orange bags .....	.47	.48	TASALDER BARK, bags .....	.05	.06
Japanese small bags .....	.07 1/4	.08	Fine, bags .....	.45	.46	Tamarinds, bbls .....	.06 1/4	.07
Gasberries, dried bbls .....	.56	.65	T.N. bags .....	.42	.43	Kegs .....	3.75	3.80
Red Saunders, bags .....	.05 1/4	.09	Garnet, A. C. .....	.44	.45	Pansy Herb, bales .....	.18	.19
Rhatany Root bags .....	.11	.12	Button bags .....	.72	.75	Tar, Barbadoes, 50 gal bbls .....	1.40	1.45
RHUBARB, Root H.D. cases .....	.85	.40	Bone Dry, bbls .....	.52	.55	Thus Gum, 280 lb bbls .....	.11 1/4	.13
Powd., bbls .....	.40	.42	Sideritis Herb, cut bags .....	.15	.18	Tilla, see Linden		
Rosemary Leaves bales .....	.05 1/4	.10	Simaruba Bark, bales .....	.08	.09	Thyme, Spanish bales .....	.08 1/4	.09
Flowers, cases bales .....	.35	.40	Skullcap Leaves, Eastern bales .....	.42	.43	French, bales .....	.09	.10
Rose Petals pale .....	.24	.28	Western bales .....	.24	.26	Tolu Balsam, see Balsams		
Red .....	1.75	2.35	Stunk Cabbage Root, bales .....	.13	.16	Tonga Bark, bags .....		nom
que Herb, bales .....	.18	.30	Snake Root, Canada, natural bags .....	.29	.32	Root Ma .....		nom
SABADILLA SEED, bags .....	.21	.25	Stripped bags .....	.65	.70	Vine bbls .....	1.25	1.30
Powdered bbls .....	.26	.30	SOAP BARK, whole, 150-200 lb .....	.16	.12	Tonka Beans, Angostura, cases .....	2.00	2.10
Native Flowers, Amer Bales .....	.45	.60	Cut, 125-175 lb bags .....	.09	.09 1/4	Para, cases .....		.90
Valencia, 1 lb cans .....	28.00	28.50	Crushed 200 lb bbls .....		.11	Surinam, cases .....	.85	.30
Esq. Guatemalan bales .....	.05	.05 1/4	Powdered, bgs bbls .....		.13	Tragacanth Gum, No. 1 ribbon .....	1.05	1.70
Greek, bales .....	.02 1/4	.03 1/4	Spearmint Leaves, American bales .....	.25	.27	100 lb cs .....	1.35	1.55
arish bales .....	.08	.08 1/4	Herb, bales, .....	.17	.17	No. 2 .....	1.30	1.40
Ground, bags .....	.21	.24	Spermaceti, blocks, cakes cases .....	.38	.42	No. 3, .....	1.30	1.40
Sandarac Gum, 300 lb bbls .....	.36	.38	Domestic .....	.42	.45	Powdered, 50 lb boxes .....	.90	1.00
Sarsaparilla Root, Honduras, bales .....	.68	.70	Spikenard Root, bags .....	.15	.17	Turkish, cases .....	.45	.90
Mexican .....	nom.							
Sassafras Bark, ordinary bales .....	.15	.17						
Select, bales .....	.28	.29						



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# Essential Oils

Turmeric Root, Madras bags	.. lb	.08%	.09%
Aleppy bags	.. lb	.08%	.09%
Powdered	.. lb	.13	.14
China, bags	.. lb	.09	.09%
Turpentine, Venice true 80 lb cs	.. lb	.30	.35
Artificial, 80 lb cases	.. lb	.16	.17
Spirits, see Naval Stores			
UNICORN ROOT, false, see Helonias			
True, see Aletris			
Uva Ursi Leaves, bales	.. lb	.05	.05%
VALERIAN ROOT, Belgian bags	.. lb	.27	.33
Vanilla Beans Mex., whole case	.. lb	5.50	10.00
Cuts, cases	.. lb	5.00	6.50
Bourbon, cases	.. lb	2.50	3.50
South American, cases	.. lb	3.50	4.50
Tahiti, yellow label cases	.. lb	..	2.50
Green Label, cases	.. lb	..	..
Vetiver Root, 100 lb bags	.. lb	.25	.26
Violet Flowers, bags	.. lb	.70	.72
Wahoo Bark, of root bags	.. lb	.70	.72
Of Tree, bags	.. lb	.30	.32
White Pine Bark, rounded, bags	.. lb	.07	.07%
White Poplar Bark, bags	.. lb	.06	.07
Wild Cherry Bark, thin green			
Rosod, bales	.. lb	.12	.13
Thick Rosod, bales	.. lb	.06%	.07
Thin Natural, bales	.. lb	.07%	.08
Thick Natural, bales	.. lb	.06%	.10
Willow bark, bags	.. lb	..	.07
White, bags	.. lb	..	.15
Witch Hazel Bark, bgs	.. lb	.07%	.09
Leaves, bales	.. lb	.08%	.09
Worm Seed, American bags	.. lb	.12	.14
Levant, bags	.. lb	3.25	3.50
Wormwood Herb, imported bales	.. lb	..	.10
Yacca Gum, red	.. lb	.04	.04%
Ground	.. lb	.05%	.06%
Yellow Root (Zanthoxiza) bgs	.. lb	.16	.17
YELLOW OCK ROOT, bags	.. lb	.10	.12
Yellow Parilla Root, bags	.. lb	.16	.17
Yerba Mate bags	.. lb	.22	.30
Yerba santa, bags	.. lb	.09%	.10
Zedary Root, bags	.. lb	.06	.08

## Essential Oils

Almond, Bitter, USP, 5 lb bot	.. lb	3.00	3.25
Bitter ff FA 5 lb bots	.. lb	3.15	3.35
Sweet, 56 lb cans	.. lb	1.00	1.10
Amber, crude 25 lb tins	.. lb	.50	.55
Rectified, 25 lb tins	.. lb	.75	.82
Angelica Root, 1 lb bot	.. lb	25.00	30.00
Anise Tech., 66 lb case	.. lb	.65	.68
USP, 60 lb cans	.. lb	.68	.72
Apricot, Kernel, 50 lb cans	.. lb	..	.65
Bay, 25 lb tins	.. lb	2.15	2.25
Terpeneless	.. lb	6.00	6.50
Bergamot, 25 lb coppers	.. lb	5.40	6.50
Terpeneless	.. lb	10.00	14.00
Artificial, 25 lb cans	.. lb	2.00	2.20
Birch Tar, rect., 5 lb bot	.. lb	.50	.60
Crude, 50 lb tins	.. lb	.20	.25
Bois de Rose, tins	.. lb	3.25	3.75
Cade, 25 lb cans	.. lb	.26	.27
Cajuput native 50 lb tins	.. lb	.70	.75
Calamus, 5 lb bot	.. lb	3.75	4.00
Camphor, Sassy 1000 lb drs	.. lb	..	.14%
White 1000 lb drs	.. lb	.11%	.12
Cans, 50 lbs	.. lb	.14	.14%
Cananga, native, 25 tins	.. lb	2.60	2.75
Rectified, 25 lb tins	.. lb	3.25	3.40
Caraway, USP	.. lb	1.60	1.70
Cardamom, USP, 1 lb bot	.. lb	40.00	48.00
Carrot, 5 lb bot	.. lb	8.75	9.75
Cascarilla, USP, 1 lb bot	.. lb	50.00	52.00
CASSIA, 80-85% 400 lb drs	.. lb	2.60	2.75
Redistilled USP, 50 lb cans	.. lb	3.00	3.15
Cedar Leaf, 50 lb tins	.. lb	.80	.90
Cedar Wood, light 1,000 lb drs	.. lb	.52	.55
Celery, 1 lb bot	.. lb	9.50	10.00
Chaulmoogra, 80 lb cases	.. lb	.85	.90
Cinnamon Ceylon, 1 lb bot	.. lb	10.50	11.00
Leaf, 5 lb bot	.. lb	1.40	1.50

## CITRONELLA, Ceylon

1,000 lb drums	.. lb	.48	.50
50 lb tins	.. lb	.50	.51
Java, 400 lb drums	.. lb	.97	.90
50 lb tins	.. lb	.85	.90
Cloves, USP, 50 lb cans	.. lb	1.90	2.10
6 lb bot	.. lb	1.90	1.95
Copaiba	.. lb	.40	.45
Coriander, USP, 1 lb bot	.. lb	8.25	8.50
Croton, USP, 25 lb tins	.. lb	.90	1.00
Cubebs, USP, 5 lb bot	.. lb	4.25	4.50
Cumin, 1 lb bot	.. lb	10.50	11.00
Dill, 25 lb cans	.. lb	3.75	4.00
Erigeron 20 lb tins	.. lb	6.50	6.75
EUCALYPTUS, Austl. USP			
50 lb cs	.. lb	.54	.56
500 lb drums	.. lb	.54	.56
Fennel, USP, 25 lb tins	.. lb	.80	.85
Geranium, African 25 lb cans	.. lb	4.10	4.50
Bourbon, 25 lb tins	.. lb	3.35	3.75
Turkish, 28 lb tins	.. lb	3.25	3.50
Ginger, 1 lb bot	.. lb	8.50	9.25
Gingergrass, 28 lb tins	.. lb	2.50	2.75
Hemlock, 25 lb tins	.. lb	.85	.87
Juniper Berries, USP, 25 lb tins	.. lb	2.25	2.45
Wood, 50 lb tins	.. lb	.50	.60
Lavender USP, 28 lb tins	.. lb	5.00	5.25
Spice, Spanish, 50 lb cans	.. lb	1.10	1.50
LEMON, Ital., USP, 25 lb cans	.. lb	3.00	3.25
Terpeneless	.. lb	..	12.75
American, USP, 25 cans	.. lb	2.50	2.75
Lemongrass, native 50 lb cans	.. lb	1.10	1.20
Limes, expressed, 25 lb tins	.. lb	6.75	7.00
Distilled, 25 lb tins	.. lb	2.75	3.00
Linaloe Mex., 80 lb cases	.. lb	3.25	3.50
Mace, distilled, 50 lb tins	.. lb	1.80	1.85
Mirbane, ref., Aromatic Chemicals			
Mustard, USP, 1 lb bot	.. lb	14.00	14.25
Artif., USP, 5 lb bot	.. lb	2.10	2.25
Neroli, Bigarade 1/2 & 1 lb bot	.. lb	75.00	100.00
Petale, 1 lb bot	.. lb	100.00	125.00
Artificial, 1 lb bot	.. lb	10.00	20.00

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Nutmeg, USP, 25 lb tins	1.80	1.85	Vetiver, Bourbon 10 bot	20.00	21.00	Linalool, 5 lb bot	6.00	6.25
Orange, bitter, 25 lb tins	2.65	2.75	Indian, 1 lb bot	30.00	40.00	From Bois de Rose 5 lb bot	6.00	6.25
Sweet W Ind., 25 lb tins	2.75	2.85	Java, 1 lb bot	20.00	22.00	MENTHOL 60 lb cases	6.25	6.50
Italian 25 lb cop	3.00	3.50	Wine, heavy, 1 lb bot	...	1.50	less cases, 5 lb cans	7.00	7.25
American, 25 lb tins	3.00	3.10	WINTERGREEN			Rhodinol, 1 lb bot	16.00	20.00
Distilled, 25 lb tins	1.65	1.75	Sweet beh., 25 lb tins	3.00	4.50	Extra, 1 lb bot	35.00	42.00
Spanish 25 lb tins	...	2.95	Southern, 25 lb tins	1.85	2.00	SAFROL, drums	...	.31
Origanum, 50 lb cans tech.	.25	.28	Gaultheria, true 25 lb tins	7.00	8.00	60 lb cans	...	.33
Parsley, 1 lb bot	3.50	3.60	Southern, 25 lb tins	3.75	4.00	Thymol, USP, 25 lb tins	4.25	4.50
Patchouli, 5 lb bot	6.25	6.50	Synthetic, see Methyl Salicylate					
Pennyroyal, com., 25 lb tins	2.50	2.75	Wormseed, Balt., USP, 25 lb tins	6.00	6.25	SYNTHETIC AROMATICS		
Imported, 25 lb tins	2.40	2.50	Wormwood, dom., 25 lb tins	7.25	7.50	Acetophenone, CP, 1 lb bot	3.50	3.75
PEPPERMINT, nat 60 lb case	26.00	27.00	Ylang Ylang Bourbon 10 lb tins	...	...	Aldehyde, C-8 (Octyl) 1 lb bot	45.00	60.00
Redis, USP, 60 lb cases	27.50	28.00	No 1	8.00	9.00	C-9 (Nonyl) 1 lb bot	70.00	75.00
Petit Grain, S.A. 25 lb tins	2.25	2.30	No 2	8.00	7.00	C-10 (Decyl) 1 lb bot	50.00	58.00
French, 1 lb bot	6.50	7.00	Manila, 1 lb bot	35.00	40.00	C-12 (Dodecyl), 1 lb bot	27.50	32.50
Italian 25 lb tins	2.20	2.30				C-14, 1 lb bot	22.50	25.00
Pimento, 25 lb tins	5.25	5.75	OLEORESINS			C-16, 1 lb bot	70.00	80.00
Pinus Sylvestris 25 lb tins	1.40	1.75	Aspidium, USP, 1 lb bot	2.00	2.25	Anephine, see Anisic Aldehyde		
Pumilio, USP, 25 lb tins	2.25	2.50	Capsicum, USP, 1 lb bot	2.00	2.25	Amyl Acetate, pure 5 gal cans gal	4.75	5.50
Rose, Fr., 8, 16, & 32 oz pkgs	9.00	9.50	Cubeb, USP, 1 lb bot	3.50	3.75	Butyrate, 1 lb bot	2.00	2.25
Bulg., 8, 16, & 23 oz pkgs	10.00	11.00	Ginger, 5 lb bot	3.50	3.75	Cinnamate, 1 lb bot	5.00	5.25
Artificial, 1 lb bot	2.00	2.75	Malefern, See Aspidium			Formate 1 lb bot	2.00	2.25
Rosemary, USP, 27 1/2 lb tins	.47 1/2	.52 1/2	Orris, 1 lb bot	15.00	18.00	Phenyl Acetate, 1 lb bot	4.50	5.00
1000 drums	.45	.47	Pepper black USP, 1 lb bot	4.50	4.75	SALICYLATE, dom. 100 lb		
Tech., 27 1/2 lb tins	.37 1/2	.38	Vanilla, 1 lb bot	9.50	12.75	chys	1.45	1.50
Rue, 1 lb bot	...	4.00				Imported	2.25	2.50
Sandalwood E Ind USP, 100 lb						Valerate, 5 lb bot	2.75	3.00
Cases	7.15	7.25				Anisic Aldehyde 1 lb bot	3.25	3.50
W. Indian (Amayria) 25 lb tins	1.85	2.00				BENZALDEHYDE, USP, 40 lb chys	1.15	1.25
Sassafras, USP, 50 lb cans	.80	.90				FFC, 40 lb chys	1.30	1.40
Artificial, 1000 lb dr., 60 lb cases	.27	.29				Imported, USP,	1.10	1.25
Savin, 50 lb tins	2.00	2.15				Benzolc Ether, See Ethyl Benzate		
Spearmint, USP, 50 lb tins	11.00	11.50				Benzophenone 1 lb bot	4.50	5.00
Spruce, 50 lb tins	.85	.87				Benzyl Acetate 100 lb chys	1.25	1.30
Tansy, Amer., 20 lb tins	6.75	7.00				Alcohol, 5 lb bot	1.25	1.35
Tar, 50 gal bbls	.25	.30				BENZATE 5 lb bot	1.25	1.35
USP, 25 lb tins	...	...				Medicinal FFC	1.45	1.60
Thyme, red. USP, 25 lb tins	.80	.85				Butyrate, C.P. 1 lb bot	4.00	4.50
White, USP, 25 lb tins	.95	1.00				Cinnamate 1 lb bot	9.50	9.75
Tech., 110 lb drums	.65	.70				Formate, 1 lb bot	3.00	3.25

## Aromatic Chemicals

### NATURAL DERIVATIVES

Anethol, 2 lb bot	1.00	1.25
Borneol, 1 lb bot	2.50	2.60
CITRAL, 25 lb cans	2.75	3.00
Citronella 1 lb bot	2.50	3.00
EUCALYPTOL, USP, 50 lb cans	.90	.95
Eugenol, USP, 25 lb cans	2.75	3.00
Geraniol, Domestic, 50 lb cans	3.00	3.25
Imported, 5 lb bot	3.25	3.50
Iso-Eugenol 1 lb bot	4.25	4.50
Imported	3.75	3.90

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Benzyl Propionate 1 lb bot	4.00	4.25	Iso-Safrol 1 lb bot imp	8.75	4.00	TERPINEOL, CP, 1000 lb drs	29	31
Valerate 5 lb bot	7.50	8.00	Domestic 5 lb bot	3.50	3.75	Cans, 50 lb	34	35
Bornyl Acetate, 1 lb bot	3.25	3.50	Linanyl Acetate, 1 lb bot	8.00	9.50	Absolute, 25 lb cans	50	60
Bromstyrol, 25 lb cases	3.75	4.25	Benzoate, 1 lb bot	13.00	14.00	Imported, 25 lb cans	36	38
Butyl Anthranilate 1 lb bot dom	16.00		Formate, 5 lb bot	10.50	12.00	VANILLIN, USP, 500 oz cans	49	
Butyric Ether, See Ethyl Butyrate			Methyl Acetophenone	3.75	4.00	Cans, 16 oz, 80 oz	50	51
Cinnamic Acid, 5 lb cans	3.25	3.50	ANTHRANILATE dom., 1 lb bot	2.50	3.25	Second Hands	45	48
Alcohol, liquid 1 lb bot	5.00	6.00	Imported	2.50	3.00	Valerianic Ether, See Ethyl Valerate		
Crystallizable	7.00	8.00	Benzoate, 5 lb bot import	2.00	2.25	Yara Yara, 1 lb cans	1.50	1.60
Aldehyde	8.00	3.25	Domestic, 5 lb bot	1.75	2.00	PERFUMERS' SUNDRIES		
CITRONELLOL, 1 lb bot	6.50	7.50	Cinnamate, 1 lb bot	3.75	4.25	Almond Meal, 25 lb cans	24	25
Imported, 1 lb bot	7.75	9.00	Heptenone, 1 lb bot	8.00	8.50	Amber, liquid 400 lb drs	2.20	2.30
Citronalyl Acetate, 1 lb bot	13.00	14.00	Paracresol, 1 lb bot	8.00	9.00	Ambergris, black bxs	18.00	20.00
CEUMARIN, 25 lb cans	8.10	3.25	Phenylacetate 5 lb bot dom	3.75	4.00	Gray bxs	30.00	35.00
DIETHYL PHTHALATE, See Chemicals			SALICYLATE, USP, 500 lb			Ralsan Copaliba, Para, 80 lb cases	42	45
Diphenyltinide, 25 lb tins	1.15	1.25	drums		43	South American, 80 lb cases	44	47
Ethyl Acetate, pure, 5 lb bot	.45	.50	50 lb cases		45	Peru, 120 lb cases	1.75	1.80
Benzoate, 5 lb bot	1.75	1.90	Second Hands	.42	.43	Tolu, 90 lb cases	1.40	1.50
Butyrate, 5 lb bot	2.00	2.20	Mirbane, rect., 1000 lb drums	.10	.12	Benzoin Gum, Slam, bxs	1.10	1.45
Caproate, 1 lb bot	3.25	3.50	Musk Ambrette, 1 lb cans	8.00	9.00	Castoreum, 1 lb bot	8.00	10.00
Cinnamate, 1 lb bot	3.50	3.75	Ketone, 1 lb cans	10.00	11.00	Chalk, precip, light, 175 lb bbls	.04 1/4	.05
Formate, 5 lb bot	1.00	1.25	Xylene 5 lb cans	2.65	3.25	Cherry Laurel Water, 5 gal cans gal	1.15	1.25
Ethyl-methyl Paracresol, 1 lb bot	3.25	3.50	Nerolin, 1 lb cans	1.50	1.60	Civet Abyssin horns	2.10	2.25
Ethyl Phenylacetate, 5 lb bot	3.75	4.00	Oenanthalic Ether, 1 lb bot	2.25	2.30	Labdanum, 5 lb bot	7.50	8.00
Propionate, 1 lb bot	2.00	2.25	Para-Cymene, Refd., 110 gal drs gal	2.25	2.50	Lanolin hydrous, 350 lb bbls	.15	.21
Valerate, 5 lb bot		3.75	Phenylacetalddehyde, Dom.,			Anhydrous, 350 lb bbls	.18	.23
Sallylate, 5 lb bot	2.00	2.10	1 lb. bot 50 pe	8.00	8.50	Musk pods, Cabardine, tins	16.00	17.00
Formic Ether, See Ethyl Formate			Imported, 50 p.e.	7.00	7.50	Tonquin, tins	24.00	26.00
Geranyl Acetate, 1 lb bot	4.50	5.00	80-95 pe	13.00	15.00	Grains, Cabardine, tins	25.00	26.00
Butyrate, 1 lb bot	13.00	13.50	Phenylacetic Acid, 1 lb bot	3.00	3.25	Tonquin, tins	36.00	44.00
Formate, 1 lb bot	12.00	12.50	Phenyl Diacetate, 1 oz bot	3.25	3.50	Synthetic, See Aromatic Chemicals		
Heliotropin, dom., 100-10 lbs	1.65	1.75	1 lb bot	8.00	10.00	Orris Rt., Flor., powd bbls	.12	.13
Imported	2.00	2.25	Imported	7.00	7.75	Verona, powd. bbls	.10	.11
Hydroxycitronellal, 1 lb bot	10.00	12.00	Phenylethyl Alcohol, 1 lb bot	6.00	7.00	Petrolatum, snow white 350 lb bbls	.12 1/4	.13
Indol, CP, 1 oz bot	4.00	6.00	Phenylethyl Butyrate 1 lb bot	26.00	28.00	Light Amber, 350 lb bbls	.04 1/4	.04 1/2
Ionone, 1 lb bot. 100%	6.75	7.00	Formate, 1 lb bot	19.00	21.00	Rice Starch, 140 lb bgs	.09	.10
Alpha	10.50	11.00	Propionate, 1 lb bot	20.00	24.00	Rose Water, 6 2-3 gal clys	1.00	1.25
Beta	8.00	8.50	Valerate 1 lb bot	25.00	29.00	Sandalwood chips powd, bags	.35	.40
Methyl	10.00	11.00	Phenylpropylalcohol, 1 lb bot	15.00	16.00	Saponin, 5 lb tins	1.15	1.30
Iso-Butyl Benzoate 5 lb bot	2.75	3.00	Skatol, 1 oz bot	4.50	7.00	Talc, Italian 220 lb bgs	60.00	80.00
			Terpinyl Acetate 25 lb cans	1.25	1.35	French 220 lb bags	40.00	45.00
			Imported, 25 lb cans	1.25	1.35	Domestic ref., 100 lb bags	14.00	15.00

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# Imports of Chemicals, Dyestuffs, Drugs, etc.

Imports at New York, Jan. 22 to Jan. 29, 1926

**ACIDS**—Acetic, 74 drs. Pfaltz & Bauer, Hamburg; **Chrome**, 1 drum, A Klipstein & Co., Hamburg; **Cresylic**, 10 drs., United Amer Lines, Glasgow; 21 drs., Order, Glasgow; **Formic**, 159 carboys, E Suter & Co., Hamburg; 147 carboys, American Cyanamid Co., Hamburg; **Oxalic**, 2 cks., Superfos Co., Stearic, 150 bgs., H Mandell & Co., Antwerp; 20 cs., M W Parsons & Plymouth Organic Lab., Rotterdam; 234 bgs., Lunham & Reeve, Rotterdam; 16 bgs., Order, Rotterdam; 188 bgs., Smith & Nichols, Antwerp; 16 bgs., K Mandell & Co., Antwerp; **Tartaric**, 200 cks., Order, Rotterdam  
**ALBUMEN**—Blood, 9 cks., Order, Liverpool  
**AMMONIUM**—Carbonate, 10 cs., J Turner & Co., Liverpool; **Sulfate**, 100 bgs., Irving Bk., Columbia Trust Co., London  
**ANTIMONY**—100 pgs., Wah Chang Trdg Co., Shanghai; **Oxide**, 90 bgs., C Gitlan, Shanghai; **Regulus**, 250 cs., Wah Chang Trdg Co., Shanghai; **Sulfide**, 12 cks., L H Butcher & Co., Southampton  
**ARGOLS**—277 bgs., C Pfizer & Co., Liverpool; 58 bgs., W R Grace & Co., Valparaiso; 38 cks., Royal Baking Powder Co., Leghorn  
**ARSENIC**—Metallic, 30 drs., Central Union Trust Co., Hamburg; 10 drs., Pfaltz & Bauer, Hamburg  
**BALSAM**—16 cs., Ultramarcs Corp., Cristobal; 7 cs., Hamberger Folhemus Co., Cristobal; 68 cs., Order, Manaoa  
**BARIUM**—Nitrate, 14 cks., Pfaltz & Bauer, Hamburg; 109 cks., Neumeyer & Dimond, Hamburg  
**BARK**—Cinchona, 11 bgs., Order, Rotterdam; **Wattle**, 1,528 bgs., Hammond Carpenter Corp., Durban; 1,166 bgs., Baring Bros & Co., Durban; 10,576 bgs., Tannin Corp., Durban  
**BARYTES**—1,000 bgs., Order, Genoa  
**BAY RUM**—19 cs., Ross Collins, San Juan;

40 brls., Hudson Tea Co., San Juan; 100 cs., La Curto & Funk, San Juan; 5 cks., Bornn Distilling Co., San Juan  
**BLANC FIXE**—67 cks., L Dejonge & Co., Bremen  
**BUCHU**—7 bls., Amer African Import Co., Capetown; 10 bls., Chase Nat Bank, Capetown; 10 bls., Park Davis & Co., Capetown; 4 bls., McLaughlin Gormley & King, Capetown  
**CASCARILLA QUILLS**—22 bgs., S B Penick & Co., London  
**CALCIUM**—Cyanide, 1 cse., Amer Cyanamid Co., Sydney; **Tartrate**, 2 cks., Order, Rotterdam  
**CHALK**—1,900 bgs., Nat City Bank, Antwerp; 400 bgs., Reichard Coulston Inc., Antwerp; 800 bgs., Brown Bros & Co., Antwerp; 1,000 tons, Tinsort Trdg Co., London  
**CHEMICALS**—117 brls., Roessler & Hasslacher Chem Co., Rotterdam; 20 cks., Whitaker Clark & Daniels, Rotterdam; 44 cks., Pfaltz & Bauer, Hamburg; 200 cks., H Hinrichs Chem Corp., Rotterdam; 50 cks., Jungmann & Co., Hamburg; 8 cs., Merck & Co., Rotterdam; 1 cse., Pfaltz & Bauer, Rotterdam; 274 bgs., Brown Bros & Co., Glasgow; 19 cks., A Klipstein & Co., Bremen; 1,532 cs., Roessler & Hasslacher Chem Co., Hamburg; 1 cse., 1 brl., Eimer & Amend, Hamburg; 20 cks., Order, Antwerp; 1 cse., 1 ck., R F Downing & Co., Southampton; 14 cks., Dissosway Chem Co., Hamburg; **Compounds**, 225 cs., Happel & McAvoy, Trieste; 332 cs., Anglo So Amer Trust Co., Hamburg  
**CHLORAETHYL**—2 cs., Pfaltz & Bauer, Hamburg  
**COAL TAR DISTILLATE**—69 drs., West Disinfecting Co., Glasgow; 34 drs., Monsanto Chem Works, Liverpool; 135 drs., Order,

Liverpool; **Products**, 4 cs., Interstate Chem Co., Rotterdam  
**COCHINEAL**—21 bgs., Amer Trdg Co., Havre  
**COLORS**—5 cks., J A McNulty, Liverpool; 3 cks., 2 drs., Amer Exch Pacific Nat Bank, Havre; 9 cks., J Schmidt, Rotterdam; 31 cks., 1 cse., General Dyestuff Corp., Rotterdam; 4 brls., Guaranty Trust Co., Antwerp; 1 brl., Amer Exp Co., Antwerp; 7 cks., Carbic Color & Chem Co., Havre; 84 pgs., Ciba Co., Havre; 4 cks., Amer Exp Co., Havre; 25 cs., La Manna Azema & Farnan, Havre; 3 cs., B F Drakenfeld & Co., Havre; 2 cks., Chem Nat Bank, Havre; 26 pgs., Sandor Chem Works, Havre; 6 cks., Ciba Co., Havre; 2 cs., B F Drakenfeld & Co., Bremen; 6 cs., F Murray Hill Co., Hamburg; 3 brls., Chemical Nat Bank, Genoa; 25 brls., Amer Exch Nat Bank, Genoa; 14 kegs, Fidelity Intern Trust Co., Liverpool; 2 cks., Chemical Intnl Bk., Liverpool; 2 brls., Am Exch Pacific Nat Bank, Antwerp; 2 brls., Irving Bank, Antwerp; **Bronze Powder**, 2 cs., B F Drakenfeld & Co., Bremen; 9 cs., Order, Bremen; **Coal Tar**, 15 cks., 1 cse., General Dyestuff Corp., Rotterdam; **Earth**, 118 brls., Binney & Smith, Rotterdam; 40 cks., Fezandie & Sperrle, Bremen  
**COPPER**—Acetate, 30 cks., Order, Havre  
**DALMATIAN AMARENE**—400 brls., State Bank, Trieste  
**EARTH**—75 brls., E E Marks, Leghorn; 190 bgs., Reichard Coulston, Leghorn; 20 brls., Order, Leghorn; **Infusorial**, 949 bgs., Order, Oran  
**EPSOM SALTS**—500 bgs., Innis Speiden & Co., Hamburg  
**ETHYL ACETO ACETATE**—9 drs., Cincinnati Chem Works, Hamburg  
**ETHYL CHLORIDE**—6 cs., Hensel Bruckmann & Lorbacher

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**EXTRACTS**—Archil Liquor, 20 cks., H Kohnstamm & Co., Liverpool; Logwood, 12 brls., T S Todd & Co., Monte Cristi; Sumac, 15 cks., American Dyewood Co., Glasgow.

**FERRO TITANIUM**—9 kegs, Order, Liverpool.

**FLOWERS**—34 brls., Order, Trieste; Chrysanthemum, 15 brls., Order, Trieste; 73 brls., Western Drug Importers, Trieste.

**FLUORSPAR**—600,800 lbs., Order, Capetown.

**FULLERS EARTH**—300 bgs., L A Salomon & Bro., London.

**GELATIN**—145 brls., 15 kegs, H A Sinclair, Rotterdam; 60 cs., Amer Exp Co., Rotterdam; 100 cks., J H Schroeder Banking Corp., Bremen; 30 cs., W E Miller, Havre.

**GLAUBER SALTS**—250 bgs., Order, Hamburg.

**GLUE**—2,308 bgs., Order, Hamburg; 71 brls., 12 cs., Miller Ste Poignet, Antwerp.

**GLYCERIN**—100 brls., Order, Genoa; 20 drs., Order, Hamburg.

**GUMS**—20 cs., R H Kountnoyan, Havre; 30 cs., Baring Bros & Co., Singapore; Arabic, 250 bgs., T M Duche & Sons, Port Sudan; 100 bgs., Brown Bros & Co., Port Sudan; 250 bgs., Order, Port Sudan; Benzoin, 37 cs., Lat City Bank, Singapore; Copal, 1,809 bgs., L C Gillespie & Sons, Matadi; 446 bgs., Standard Bank of So Africa, Antwerp; 185 bgs., Chatham & Phenix Nat Bank, Antwerp; 95 bgs., Order, Antwerp; 50 sks., S Winterbourne, Antwerp; 500 bgs., A Klipstein & Co., Antwerp; 40 sks., A Klipstein & Co., Antwerp; 833 bks., 58 bgs., Irving Bank, Macassar; 211 bks., 146 bgs., Nat City Bank, Macassar; 1,385 bks., Kidder Peabody Acceptance Corp., Macassar; 78 bks., 63 bgs., Sino Java Hvg., Macassar; 414 bks., Mech & Metals Nat Bank, Macassar; 77 bks., Grace Nat Bank, Macassar; 1,071 bks., Brown Bros & Co., Macassar; 71 bks., Capital Nat Bank, Macassar; 1,244 bks., Order, Macassar; 76 bgs., Capital Nat Bank, Macassar; 73 bks., Mech & Metals Nat Bank, Macassar; 189 bks., Order, Macassar; 138 bgs., Badcock & Templeton, Manila; 600 bgs., Grace Nat Bank, Antwerp; 200 bgs., A Klipstein & Co., Antwerp; 238 bgs., Chem Nat Bank, Antwerp; 200 bgs., Order, Antwerp; Damar, 100 cs., Chem Nat Bank, Batavia; 75 cs., Order, Batavia; 100 cs., Mech & Metals Nat Bank, Padang; 300 cs., Nederl Handels Padang, Padang; 51 cs., W Schall & Co., Padang; 275 bgs., 50 cs., Brown Bros & Co., Padang; 100 cs., Order, Padang; 181 bks., 48 cs., Irving Bank, Macassar; 125 cs., Standard Bank of So Africa, Singapore; 50 cs., 448 bgs., Order, Singapore; 100 cs., Brown Bros & Co., Batavia; 100 cs., Central Union Trust Co., Batavia; 50 cs., Baring Bros & Co., Singapore; 50 cs., 128 bgs., Guaranty Trust Co., Singapore; Elemti, 128 cs., A Klipstein & Co., Manila; Ghatti, 100 bgs., Brown Bros & Co., Port Sudan; Myrrh, 20 bgs., Order, Aden; Shiraz, 400 bgs., Order, Hamburg; Yacca, 390 bgs., Order, Sydney.

**HERBS**—3 brls., Order, Trieste.

**HERBS**—22 brls., R F Downing & Co., Rotterdam.

**INTERMEDIATE PRODUCTS**—1 cse., 1 pot, Winthrop Chem Corp., Rotterdam.

**IRON Sulfate**, 24 brls., W A Foster & Co., Hamburg.

**IRON OXIDE**—51 cks., Reichard Coulston, Liverpool; 21 cks., L H Butcher & Co., Liverpool; 26 cks., J A McNulty & Co., Liverpool; 115 brls., C J Osborn & Co., Malaga; 92 brls., Stanley Doggett & Co., Malaga; 23 brls., C J Osborn & Co., Malaga; 90 brls., J Lee Smith & Co., Malaga; 221 brls., C K Williams & Co., Malaga; 39 cks., Reliance Paint Co., Hamburg; 18 cks., Reichard Coulston, Liverpool; 10 cks., Order, Liverpool.

**JUICE**—Lime, 18 cks., Perry Ryer & Co., Dominica; 17 cks., Planters Produce Co., Dominica; 109 cks., Evans Sons, Lescher & Webb, Dominica; 1 cks., Order, Dominica; 73 hhds., Middleton & Co., Dominica.

**LEAVES**—51 brls., Arnold Gaidan Freres, Marseilles; 125 bgs., H W Henning & Son, Alicante; 45 bgs., Order, Alicante; 170 brls., R F Downing & Co., Marseilles; 30 brls., Order, Marseilles; Belladonna, 56 brls., Order, Rotterdam; Coca, 163 brls., Waywood Chem Works, South Amer Ports; Henbane, 15 brls., Peek & Velson, Hamburg; 4 brls., S B Penick & Co., Hamburg; Sage, 75 brls., Order, Trieste; Senna, 189 brls., Order, Port Sudan.

**LIME**—75 cs., C B Richard & Co., Hamburg; Chlorinated, 50 cs., H Kohnstamm & Co., Liverpool; Tartrate, 309 bgs., C Pfizer & Co., Tarragona.

**LITHOPONE**—400 cks., Benj Moore Co., Rotterdam; 190 cks., E M & F Waldo, Antwerp.

**MAGNESITE**—97 brls., H J Baker & Bro., Rotterdam; Calcined, 50 cks., A Klipstein & Co., Hamburg; Caustic, 362 bgs., Order, Trieste; Tar, 55 bgs., Alumin Thermid Corp., Trieste.

**MAGNESIUM**—Chloride, 368 drs., Innis Speiden & Co., Hamburg; 184 drs., Order, Hamburg.

**MEDICINALS**—24 cs., J Personeni, Genoa; 21 cs., Order, Genoa.

**NAPHTHALENE**—390 bgs., Order, Hamburg; 5 bgs., Barclay Chem Co., London; 2,667 bgs., Order, Hamburg.

**NICKEL SULFATE**—60 cks., Gallagher & Ascher, Liverpool.

**NITRATE OF LIME FERTILIZER**—71 cks., R W Greeff & Co., Brevik.

**OCHRE**—100 bgs., E M & F Waldo, Liverpool; 71 cks., Chatham & Phenix Nat Bank, Marseilles; 177 cks., Reichard Coulston, Marseilles; 100 cks., Grace Nat Bank, Marseilles; 98 cks., H J Kehoe, Marseilles.

**OIL**—Coconut, 345 brls., Order, Rotterdam; 773 tons, Spencer Kellogg & Sons, Manila; 1,110 912 tons, Philippine Ref Corp., Manila; 1,336 cks., R Badtons, Order, Manila; Cod, 326 cks., R Badtons & Co., St Johns; Codliver, 180 brls., E R Squibb & Co., St Johns; 50 cs., Schieffelin & Co., Oslo; 25 brls., Baltimore & Ohio R R Co., Bergen; 40 brls., Order, Bergen; 25 brls., Order, Aalesund; Haarlem, 25 cs., Lo Curto & Funk, Rotterdam; Linseed, 60 brls., McDonagh & Son, Rotterdam; Olive, 112 cs., Giambanca Bros., Palermo; 100 cs., Order, Palermo; 109 brls., First Nat Bank, Malaga; 300 cs., Amer Hawaiian S S Co., Malaga; 300 drs., R I Hospital & Trust Co., Malaga; 200 cs., Banco de Sicilia Trust Co., Malaga; 200 brls., 250 cs., 73 drs., Order, Malaga; 100 cs., G Pagliaro, Genoa; 125 cs., L Feder, Genoa; 55 cs., Order, Genoa; 100 brls., Brown Bros & Co., Malaga; 500 brls., Phila Nat Bank, Malaga; 100 drs., Smith Wehman Oil Co., Malaga; 100 brls., First Nat Bk., Malaga; 100 drs., Chem Nat Bank, Malaga; 100 brls., J B Desnap & Co., Malaga; 100 brls., Order, Malaga; 100 drs., R I Hospital Trust Co., Malaga; 250 cs., Amer Exp Co., Genoa; 825 cs., Order, Genoa; 925 cs., Order, Leghorn; Palm, 77 cks., Niger Co., Lagos; 125 cks., Order, Dakar; 8 cks., J Williams Co., Liverpool; 1,062 pgs., Niger Co., Matadi; 78 cks., Colgate & Co., Liverpool; 256 cks., African & Eastern Trdg Co., Hamburg; 107 cks., Order, Hamburg; 780 tons, Superintendence Co., Hamburg; 60 cks., Order, Belawan; 40 cks., D Bacon, Liverpool; 258 cks., 106 brls., Order, Liverpool; 116 tons, 10 cwt., Order, Liverpool; 48 cks., Ellis Jackson & Co., Hamburg; Sod, 4 cks., Order, Liverpool; Sulfur, 250 brls., Order, Palermo; 500 brls., Nat City Bank, Malaga; 300 brls., Leghorn Trdg Co., Malaga; 106 brls., Smith Wehman Oil Co., Alicante; 137 brls., Smith Wehman Oil Co., Valencia; 500 brls., Phila Nat Bank, Malaga.

**OILS**—Essential, 10 cs., Polaks, Frutal Works, Rotterdam; 15 cs., Wangler Budd Co., Rotterdam; 8 cks., F W Devoe & Reynolds, Havre; 5 cks., J McNulty, Havre; 4 cs., Orbis Products Trdg Co., Havre; 3 drs., Order, Batavia; Acetone, 30 brls., Order, Trieste; Angelica, 1 cse., Dodge & Olcott Co., Rotterdam; Anise, 10 drs., Goldman Sachs & Co., Hongkong; Bay, 6 cs., P Lemoine, Arroyo; Cinnamon, 4 drs., Guaranty Trust Co., Colombo; 6 drs., Volkart Bros., Colombo; 2 drs., Kidder Peabody & Co., Colombo; Citronella, 19 drs., A Rosenthal & Sons, San Jose; 3 drs., Nat Bank of Commerce, Batavia; 1 drs., Order, Batavia; 5 drs., Kidder Peabody & Co., Colombo; Eucalyptus, 11 drs., Orbis Products Trdg Co., Melbourne; 23 drs., 25 cs., Order, Melbourne; 2 drs., Order, Valencia; Lavender, 2 cs., Order, Valencia; Lime, 1 drum Goldman Sachs & Co., Dominica; 7 cs., Order, Dominica; Orange, 57 cs., Barclays Bank, Kingston; 16 cs., Gillespie & Co., Kingston; Pine Needle, 6 cks., Order, Hamburg; Romero, 3 drs., Morana Inc., Alicante; Rosemary, 3 drs., Order, Alicante; 2 cs., Order, Valencia; Rosewood, 5 drs., Order, Brazil; Thyme, 1 cse., Order, Valencia.

**OSSEINE**—1,250 bgs., Order, Antwerp.

**PARALDEHYDE**—134 drs., Order, Hamburg.

**PHARMACEUTICAL PRODUCTS**—5 cs., G L Wallau, Havre; 16 cs., Ciba Co., Havre; 5 cs., E Fougere & Co., Havre.

**PITCH**—Monter, 1,950 bgs., Strohmeyer & Arpe Co., Bremen.

**PLUMBAGO**—423 bgs., Nat City Bank, London; 99 brls., 334 bgs., Order, Colombo.

**POTASSIUM SALTS**—Alum, 400 cks., A Klipstein & Co., Hamburg; Caustic, 75 drs., Th Goldschmidt Corp., Hamburg; 125 drs., A Klipstein & Co., Hamburg; Chlorate, 1,400 cks., Uniform Chem Products Co., Hamburg; Murate, 2,411 bgs., Soc Des Potasses d'Alsace, Antwerp; 504 bgs., Soc des Potasses d'Alsace, Antwerp; 250 bgs., Potash Imptg Corp of America, Bremen; Nitrate, 92 cks., Superfos Co., Antwerp; 1,000 bgs., Order, Antwerp; Permanganate, 300 drs., Roessler & Hasslacher Chem Co., Hamburg.

**PYRIDINE**—13 drs., Order, Hamburg.

**QUICKSILVER**—150 flasks, H W Peabody & Co., Trieste; 500 flasks, Order, Alicante; 150 bottles, H W Peabody & Co., Alicante; 300 bottles, Leghorn Trdg Co., Leghorn; 200 flasks, Order, Leghorn.

**ROCHELLE SALTS**—33 brls., Order, Rotterdam.

**ROOTS**—Althea, 3 bgs., Order, Leghorn; Ipecac, 2 bgs., Ultramares Corp., Cartagena.

**ROSIN**—18 brls., Dom Naval Stores Corp., Monte Cristi.

**SAFFRON**—1 cse., Order, Alicante.

**SALT**—560 sks., W A Hazard & Co., Liverpool.

**SEED**—Anise, 100 bgs., Order, Malaga; Annatto, 30 bgs., D Steengrafe, Ponce; Canary, 200 bgs., Catz Amer Co., Rotterdam; Caraway, 200 bgs., Irwin Harrison & Whitney, Rotterdam; 350 bgs., Catz Amer Co., Rotterdam; 400 bgs., Order, Rotterdam; Cumina, 158 bgs., Order, Trieste; Mustard, 150 bgs., Irving Bk., Rotterdam; 150 bgs., Catz Amer Co., Rotterdam; 100 bgs., Amer Exp Co., Rotterdam; 150 bgs., Order, Bari; Poppy, 700 bgs., Catz American Co., Rotterdam; 100 bgs., Archibald & Lewis, Rotterdam; 100 bgs., Levy & Lewis Co., Rotterdam; 200 bgs., Lange Kidde & Co., Rotterdam; 100 bgs., J D Nordlinger, Rotterdam; 300 bgs., Irwin Harrison & Whitney, Rotterdam; 100 bgs., C E Armstrong, Rotterdam; 200 bgs., Order, Rotterdam; Rape, 50 bgs., Order, Rotterdam; 200 bgs., Levy & Lewis, Rotterdam; 224 bgs., Order, Rotterdam; 200 bgs., R F Downing & Co., Hamburg.

**SHELLAC**—600 bgs., Intern Banking Corp., Calcutta; 1,489 bgs., Order, Calcutta; 150 bgs., Equit Eastern Banking Corp., Calcutta; 550 bgs., Brown Bros & Co., Calcutta; 50 bgs., Nat City Bank, Calcutta; 100 bgs., British Bank of So America, Calcutta; 200 bgs., Mech & Metals Nat Bank, Calcutta; 650 bgs., Order, Calcutta; Button Lac, 98 bgs., Order, Calcutta; Garnet Lac, 125 cs., Brown Bros & Co., Calcutta; Seedlac, 50 bgs., Intern Banking Corp., Calcutta; 129 bgs., Order, Calcutta; 100 bgs., J W Green & Co., Calcutta; 100 bgs., Nat City Bank, Calcutta; Sticklac, 145 bgs., Amsinck Sonne & Co., Singapore.

**SOAP**—190 cs., Equit Trust Co., Barcelona.

**SOLACIOL**—20 drs., Order, Hamburg.

**SODIUM SALTS**—Chlorate, 800 cks., Order, Hamburg; Cyan, 751 cs., Roessler & Hasslacher Chem Co., Hamburg; Cyanure, 33 cans, Anglo So Amer Trust Co., Havre; Fluoride, 200 bgs., Order, Rotterdam; Fluosilic, 250 bgs., Order, Hamburg; Nitrate, 7,633 bgs., W R Grace & Co., Iquique; 202 bgs., Kuttroff Pickhardt & Co., Hamburg; 297 cks., 5,408 bgs., R W Greeff & Co., Brevik; Phosphate, 334 cks., Roessler & Hasslacher Chem Co., Antwerp; Sulfate, 91 cks., Order, Rotterdam; Sulfite, 280 drs., C S Grant & Co., Hamburg.

**SPONGES**—67 brls., J H Rhodes & Co., Nassau; 59 brls., Cunard S S Line, Nassau; 251 brls., Lasker & Bernstein, Nassau; 103 brls., J Bloch & Co., Havana; 7 brls., Bernard Judae & Co., Havana; 20 brls., Amer Sponge & Chamis Co., Havana; 36 brls., Order, Havana; 60 brls., Lasker & Bernstein, Havana.

**SUGAR OF LEAD**—16 cks., Roessler & Hasslacher Chem Co., Hamburg.

**SULFUR**—50 cks., C W Leavitt & Co., Havre.

**SUMAC**—100 brls., Order, Palermo.



**TALC**—1,700 bgs., Ital Discount & Trust Co., Genoa; 300 bgs., C Mathieu, Genoa; 200 bgs., Kountze Bros., Genoa

**TAPIOCA FLOUR**—203 bgs., Stein Hall & Co., London; 510 bgs., Central Union Trust Co., Batavia; 337 bgs., Irving Bank, Batavia; 758 bgs., French Amer Banking Corp., Batavia; 9,392 bgs., Nat City Bank, Sourabaya; **Pearl**, 831 bgs., Order, Batavia; 955 bgs., Nat City Bank, Sourabaya; 353 bgs., Orler, Penang

**TARTAR**—280 bgs., C Pfizer & Co., Marseilles; 377 bgs., Royal Baking Powder Co., Alicante; 43 bgs., Royal Baking Powder Co., Alicante; 452 bgs., Royal Baking Powder Co., Barcelona; 101 bgs., Royal Baking Powder Co., Valencia; 60 bgs., C Pfizer & Co., Valencia

**THORIUM** & Cerium Nitrate—10 cs., Pfaltz & Bauer, Bremen

**TURPENTINE**—5 drs., Dom Naval Store Corp., Monte Cristi

**VENETIAN RED**—150 cks., J Lee Smith & Co., Liverpool

**WAX**—Bees, 75 bls., Nat Bank of Commerce, Hamburg; 52 bls., C R Spence Co., Rotterdam; 21 cs., Order, Rotterdam; 20 pgs., D Steengrafe, Havana; 9 sks., W R Grace & Co., Valparaiso; 9 bgs., Selma Merc Corp., Azua; 6 bgs., J J Julia & Co., Azua; 6 bls., Schutte & Focke, Azua; 4 bgs., W Schall & Co., Samana; 3 seroons, J J Julia & Co., Monte Cristi; 321 brls., Order, Lisbon; Car-nauba, 47 bgs., Nat Bank of Commerce, Ceara; 13 bgs., Coal & Iron Nat Bank, Ceara; 146 bgs., Order, Ceara; 112 bgs., J H Rossbach & Bros., Parnhyba; 134 bgs., Bank of London & So America, Parnhyba; 251 bgs., Nat City Bank, Parnhyba; 101 bgs., Lazard Freres, Ceara; 13 bgs., Coal & Iron Nat Bank, Ceara; 65 bgs., Nat Bank of Commerce, Ceara; 158 bgs., Order, Ceara; Paraffin, 400 bgs., Kemmndine Co., Liverpool

**WOODEFLOUR**—500 bgs., A Kramer & Co., Rotterdam

**WOOD TAR**—400 cks., Order, Hamburg

**WOOL GREASE**—100 cks., Pfaltz & Bauer, Antwerp

## IMPORTS AT PHILADELPHIA

Jan. 29 to 27

**ALCOHOL**—Butyl, 45 drums, H A Metz Co., Rotterdam

**BARYTES**—268,000 kilos, Order, Rotterdam

**CHINA CLAY**—44 tons, Order, Bristol

**FLUORSPAR**—208,050 kilos, Order, Bremen

**GLYCERIN**—Dynamite, 50 casks, Hercules Powder Co., Rotterdam; 20 casks, Order, Dunkirk

**GUM**—Copal, 10 bags, Brown Bros Co., Antwerp; 40 bags, John H. Faunce, Liverpool; 199 baskets, Bank of America, Bremen

**KAINIT SALT**—2,000 bags, Potash Imp Co., Bremen; 2,000 bags, Potash Imp Co., Bremen

**MANURE**—Nitrogenous, 2,500 bags, Order, Rotterdam; Potash, 182,370 kilos, Potash Imp Co., Bremen

**POTASH**—Muriate, 1,000 bags, Potash Imp Co., Bremen

**PYRIDINE**—6 drums, Order, Antwerp

**ROOT**—Licorice, 3,101 bls., Order, Copenhagen; 914 bags, Orner, Copenhagen; **Orris Shavings**, 15 bales, Orler, Genoa

**SAL AMMONIAC**—80 casks, Harshaw, Fuller & Goodwin Co., Rotterdam

**TALC**—250 bags, Order, Bordeaux

**ULTRAMARINE BLUE**—72 casks, F B Vandegrift, Glasgow

## IMPORTS AT BALTIMORE

Jan. 22 to 28

**GLYCEROPHOSPHATE**—20 cases, Sharp & Dohme, Havre

**IRON OXIDE**—18 casks, Richard Coulston, Inc., Liverpool

**MAGNESITE**—37,425 bags, General Refractories Co., Trieste

**MANGANESE ORE**—9,482 tons, Bethlehem Steel Corp., Poti

**POTASH**—Kainit, 12%, 957,000 lbs., French Potash Syndicate, Antwerp; **Manure Salt**, 20%, 4,939,000 lbs., French Potash Syndicate, Antwerp; 30%, 3,161,400 lbs., F H Shallus Co., Antwerp; 50%, 1,463,000 lbs., French Syndicate, Antwerp; **Muriate**, 2,825 bags, 563,825 lbs., F H Shallus Co., Antwerp; Sul-

fate, 1,795 bags, 358,252 lbs., F H Shallus Co., Antwerp  
**WHITING**—1,066 bags 110,000 lbs., Continental Whiting Co., Havre

## IMPORTS AT NEW ORLEANS

Jan. 22 to 29

**BAUXITE**—2,196 tons, Republic Mining Co., Georgetown; 2,323 tons, Republic Mining Co., Paramaribo

**BENZINE**—4,932 tons, N O Refining Co., Cui-racoa

**FERTILIZER**—1,376 sacks, Order, Hamburg

**GUM**—Chicle, 2,452 bales, Chicle Development Co., Progresso

**MOLASSES**—1,300,000 gallons, Cuba Distilling Co., Cienfuegos; 717,094 gallons, Penick & Ford, Preston

**OLIVE OIL**—10 tons, Order, Genoa

**SARSAPARILLA ROOT**—9 Bundles, Allaire Woodward & Co., Vera Cruz

## IMPORTS AT SAN FRANCISCO

Jan. 16 to 23

**ACID**—205 drums, East Asiatic Co., Hamburg

**BARYTES**—250 bags, East Asiatic Co., Hamburg

**CALCIUM NITRATE**—2,470 bgs., Order, Antwerp

**CASSIA**—19 cases, S. L. Jones & Co., Hong-kong

**COPPER SULFATE**—212 casks, L H Butcher Co., Manchester

**OILS**—Citronella, 3 cases, Peet Bros., Pand-jong; Eucalyptus, 20 cases, F. W. Hellingall, Melbourne; Linseed, 75 drums, Order, Copenhagen; **Palm**, 448 bbls., National City Bank, Singapore; **Wood**, 319 tons, S L Jones & Co., Hankow

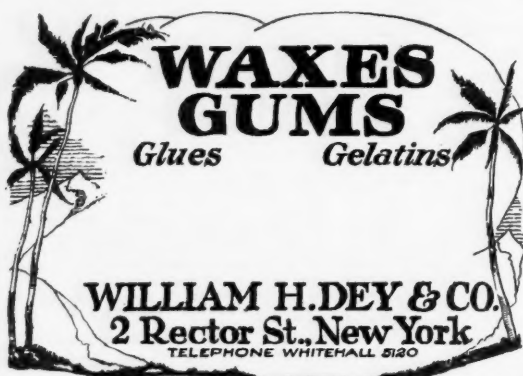
**PARAFFINE**—3,060 bags, Shell Company, Sourabaya

**SHELLAC**—122 cases, Order, Singapore

**SODIUM NITRATE**—513 bags, Order, Brevik

**TAPIOCA FLOUR**—1,554 bags, Order, Batavia

**TURPENTINE**—436 cases, W P Fuller & Co., Manzanillo



**WAXES GUMS**  
Glues Gelatins

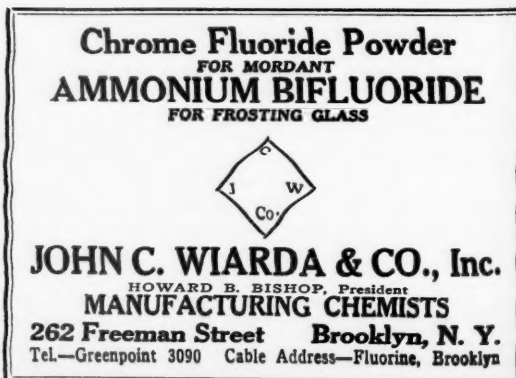
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## DRUG & CHEMICAL MARKETS

### FINAL ESTIMATE OF INDIGO CROP

The final general memorandum of the Indian indigo crop for 1925-1926 is based on reports from six provinces and includes 84 per cent of the total area under cultivation. The total area is placed at 129,200 acres, which is 30 per cent greater than the revised report for last year, but 50 per cent below the average of the preceding five years. Total yield of dye is placed at 27,000 cwts., as against 18,700 cwts. in the revised estimate of last year, showing an increase over last year of 44 per cent. This shows a decrease of 44 per cent from the figures of the previous five years.

Details of the various provinces are given in the following table:

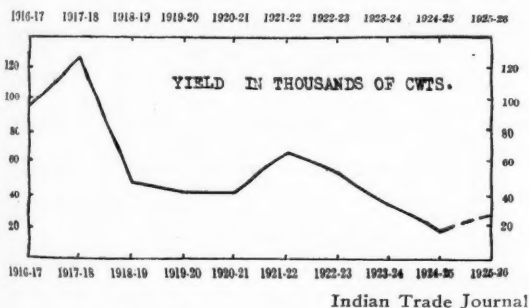
Provinces	Area (acres)		Yield (cwts.)		Yield per acre (lbs.)	
	1925-26	1924-25	1925-26	1924-25	1925-26	1924-25
Madras .....	77,100	57,600	19,000 (a)	14,100	28	27
Bihar and Orissa .....	18,500	16,100	2,700	1,100	16	8
		(a)				
United Provinces .....	14,800	12,500	1,600	1,400	12	13
Punjab .....	14,700 (a)	6,400	3,200 (a)	1,000	24	17
Bombay (including Sind and Indian States) ..	3,700 (a)	6,600	500 (a)	1,100	15	19
Bergal .....	(b)	100	(b)	(c)	—	—
		(a)		(c)		

Total ..... 129,200 ..... 99,300 ..... 27,000 ..... 18,700 ..... 23 ..... 21

\*One factory maund = 75 lbs.  
(a) Revised

(b) No cultivation  
(c) Less than 50 cwts.

The area planted in Madras, which includes 41.6 per cent of the total, was 77,100 acres, against 57,600 acres at the same time last year, or an increase of 34 per cent attributed to the favorable season. Total yield is estimated at 19,000 cwt., which is 35 per cent the revised estimate of last year. This is based upon the assumption that the entire crop will be manufactured into dye, while a large portion is grown for green manure and is not turned into dye.



Domestic exports of benzol for November totalled 91,851 pounds, valued at \$6,799, and exports of crude coal-tar amounted to 5,608 barrels, valued at \$22,428. During November 2,065 barrels of coal-tar pitch, valued at \$9,481, were exported, and "other crude distillates" exported amounted to 1,599,081 pounds, valued at \$72,873.

Dr. Karl Duisberg, director of the new German Dye Cartel, made a flying visit to the United States last week, arrived Wednesday, and is sailing on Friday for the West Indies, whence he goes to China and Japan.

Pierre S. du Pont, chairman of E. I. du Pont de Nemours & Co., denies the report that the company is to organize a new linoleum company.



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# Drug & Chemical Patents

Granted January 26, 1926

- 1,570,626—Method of dehydrating liquids. Arthur S. Elsenbast, New York, N. Y., assignor, by mesne assignments, to the Celite Co. of Delaware.
- 1,570,646—Method of pasteurizing and deodorizing cream. Charles E. Rogers, Detroit, Mich.
- 1,570,672—Bottle stopper, Wardlow M. Jessup, Clinton, Iowa.
- 1,570,717—Acidity test machine. Donald W. Sutherland, Jr. Sioux Falls, S. Dak.
- 1,570,752—Compound for accelerating the vulcanization of caoutchouc. Victor Lefebure and Anthony J. Hailwood, assignors to British Dyestuffs Corporation, Ltd., Manchester, England.
- 1,570,781—Testing apparatus and method. Samuel Ruben, New York, N. Y.
- 1,570,807—Leacher. James A. Watson, assignor to James A. Watson and George A. Powell, Winnipeg, Canada.
- 1,570,834—Method of and apparatus for purification of radium emanation. Victor F. Hess, Orange, and Edwin D. Leman, East Orange, N. J., assignors to United States Radium Corporation, New York.
- 1,570,854—Means for separating, washing and discharging comminuted solid material immersed in liquids. Carl H. Nordell, Fort Wayne, Ind.
- 1,570,868—Extruding magnesium. Richard L. Templin, Parnassus, Pa., assignor to American Magnesium Corporation, Niagara Falls, N. Y.
- 1,570,889—Apparatus for filtering dust-laden gases. Thomas Thomson and Nicholas Nisbet, Scunthorpe, England.
- 1,570,895—Process for making articles of various shapes directly from solutions or suspensions of rubber, and to articles so obtained. Ernest Hopkinson, New York, and Willis A. Gibbons, Little Neck, N. Y., assignors to Revere Rubber Co., Chelsea, Mass.
- 1,570,900—Collapsible tube. Robert H. Lieberthal, assignor to All-In-One Manufacturing Co., Inc., Bridgeport, Conn.
- 1,570,919—Label applying machine. Philip D. Parsons, Swarthmore, Pa., assignor to Scott Paper Co.
- 1,570,975—David Sweeney, Winnipeg, Manitoba, Canada, assignor of one-eighth to Margaret McLeod, one-fourth to Alexander C. McKenzie, and one-fourth to Robert Prosser Adams, all of Winnipeg, Canada.
- 1,570,987—Process for resolving emulsions. Eugene E. Ayres, Jr., Chester, Pa., assignor to the Sharples Specialty Co., Philadelphia, Pa.
- 1,571,002—Process of recovering borax from saline liquors. Alfred W. Gauger and Herman Storch, Westend, Calif., assignors to Burnham Chemical Co., Reno, Nev.
- 1,571,042—Process of treating filtration residues for reuse. Percy A. Bock, Los Angeles, Calif., assignor, by mesne assignments to the Celite Company, a corporation of Delaware.
- 1,571,065—Clutch for bottle-screw-capping machines. Arthur I. Risser, assignor to U. S. Bottlers Machinery Co., Chicago, Ill.
- 1,571,066—Refractometer. Hans Schulz, Grosslichterfelde-Ost, near Berlin, Germany, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, Germany.
- 1,571,074—Recovered inorganic filter aid and process of reducing the same. Harry S. Thatcher, Los Angeles, Calif., assignor, by mesne assignments to the Celite Company, a corporation of Delaware.
- 1,571,137—Method and apparatus for annealing glassware. Vergil Muholland, assignor to Hartford Empire Co., Hartford, Conn.

## ACID PHOSPHATE OUTPUT GROWS

The results of manufacturing operations of acid phosphate for the month of December, 1925, are announced by the National Fertilizer Association in a bulletin issued by Charles Brand, secretary treasury, who says:

Production for December 1925 exceeded that for December 1924 by 16%. Production for December 1925 increased 30.7% over November 1925. Production for December 1924 increased 36.1% over November 1924. While production for December 1925 was 16% larger than for December 1924, the rate of increase from the previous month was less.

Stocks were 14.9% larger on December 31, 1925, than on Dec. 31, 1924. Stocks increased 14.6% for December 1925 over November 1925. Stocks for December 1924 increased 16% over November 1924. While stocks at the end of December 1925 were 14.9% larger than for December 1924, they did not increase quite as rapidly during December 1925 as for December 1924.

Table 2 also shows figures designated "Consumption." These must be used with a clear understanding of how they are obtained. They are computed by adding production to stocks at beginning of month, and subtracting from this sum the stocks on hand at end of month. Hence, they do not show fertilizer used, but merely indicate roughly disappearance, or shipments, from plants. With this understanding they are summarized briefly as follows:

Consumption for December, 1925, exceeded that for December 1924 by 72%. Consumption for December, 1925, increased 43.4% over November, 1925. Consumption for December, 1924, increased 2.4% over November 1924. Consumption for December, 1925, was larger than for December 1924 and increased from the previous month more rapidly.

The manufacture of artificial silk is the purpose of a large company now being formed. The company will establish a plant at Kirkcudbrightshire, Scotland.

## MANUFACTURERS ISSUE TRADE LEAFLETS

Technical publications issued by manufacturers, recently, include:

Tang L Dust Air Filters, by Cooling Tower Co., Inc., 15 John st., New York.

Universal Answer to Problems of Mixing and Kneading, by Baker-Perkins Co., Inc., 250 Park ave., New York.

The Weather Vein. Carrier Engineering Corp., Frel-inghuysen ave., Newark, N. J.

"Twoplex" Shipping Packages for Liquids. Illustrated Folder. Fred C. White, Inc., 241 Water st., New York.

Laboratory Apparatus and Reagents, general catalog, showing full line of apparatus, supplies, chemicals and reagents, by Fisher Scientific Co., formerly Scientific Materials Co., 713 Forbes st., Pittsburgh.

McKim Gaskets. List of sizes and prices, by McCord Radiator and Mfg. Co., Detroit, Michigan.

Reducing Fuel and Boiler Plant Operating Costs, by Permutit Co., 440 Fourth ave., New York.

Ross Improved Liquid and Semi-Paste Mixers, by Charles Ross & Son Co., 148 Classon ave., Brooklyn.

Automatic Filling Machine, by McKenna Brass & Manufacturing Co., Pittsburgh.

Bristol-Derr Water Level Gages for Steam Boilers, by Bristol Co., Waterbury, Conn.

Chemical Tanks, by Stuart & Peterson Co., Burlington, N. J.

How to Isolate Machine Vibrations, by Korfund Co., Inc., 11 Waverly pl., New York.

Koerting Recooling Spray Nozzles, by Schutte & Koerting Co., 1239 N. 12th st., Philadelphia.

Sawyer Automatic Sacking Scales, by Sawyer Specialty Scales Co., Jacksonville, Fla.

Silicates of Soda, Grades and Uses, by Philadelphia Quartz Co., Philadelphia.

Stearns Material Handling Methods, by Stearns Conveyor Co., Cleveland, O.

Steel Drums, by D. H. Stoll & Co., Buffalo, N. Y.

## AIR REDUCTION OFFERS CALCIUM CYANIDE

Floyd J. Metzger of the Chemists' Club Discusses Chemical Discovery for Protection of Fruit Crops—Particularly Applicable to Citrus Industry in War on Scale—Also Made By American Cyanamid Co.

Chemistry has succeeded in producing calcium cyanide, or "powdered hydrocyanic acid," an achievement previously considered impossible, says Floyd J. Metzger of New York, vice-president and research director of Air Reduction Co., in a statement made public by the American Chemical Society. The use of calcium cyanide as an insecticide was explained in detail by Frank J. McCullough of American Cyanamid Co. in the July 1 issue of "Drug & Chemical Markets."

The new product, according to Mr. Metzger, a former professor of chemistry in Columbia University, will make more deadly the war on pests which threaten the fruit crops, and, with the aid of dust guns, will lend itself to fumigation of warehouses, ships, mills, railroad cars, and many other instruments of commerce.

"The citrus industry," he says, "struggles constantly against a pest known generally as scale. Hydrocyanic acid gas obtained in various ways has been used for combating this pest for many years. The common practice at present is the application of liquid hydrocyanic acid under tents placed over the trees.

"The industry is, however, confronted with the fact that there is a comparatively narrow margin between the dosage which controls the scale and that which injures the fruit or tree or both. It has long been known, also, that the ranges of toxicity of liquid hydrocyanic acid for plant and animal life approach coincidence much more quickly in daylight than in darkness; the same applies to damp or foggy atmospheric conditions.

"Hence, in practice, such fumigation is carried out at night in comparatively dry weather. When calcium cyanide is used for fumigation—as, for instance, by dusting it under the fumigating tents—field experiments have demonstrated that a satisfactory kill of the scale, without injury to fruit or tree, can be secured by the application of much less total cyanogen than would be contained in the liquid hydrocyanic acid dosages which have been established as standard by scientific experiment as well as years of practical experience.

"The product has many advantages over liquid hydrocyanic acid, notably in its safety in handling, transportation, and application. The powder is perfectly stable under all ordinary conditions of storage and transportation, provided only that it be protected from atmospheric contact.

"On the contrary, liquid hydrocyanic acid is dangerous to handle, and it is difficult and dangerous to transport since it is subject to spontaneous polymerization which may result in violent explosions.

"Since mere exposure to the air liberates hydrocyanic acid freely and practically quantitatively from calcium cyanide in a very short time, this new product has been called 'powdered hydrocyanic acid.'"

The National Safety Council has moved to 108 E. Ohio st., Chicago, where it has leased 14,000 sq. feet of space for a five-year period. The change in location is due to the growth of the organization which now is serving more than 8,000 industrial plants and several million employees.

Alsop Engineering Co., New York, is offering to the trade a new line of "Blu-Glass" tanks which are coated inside and out with glass and are made in square and round forms up to 150 gallons capacity.



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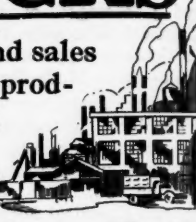
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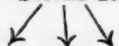
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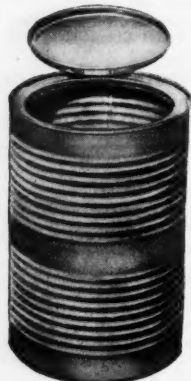
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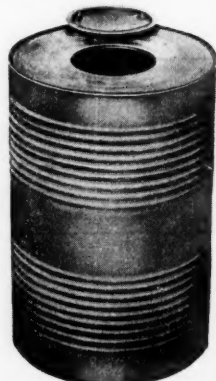
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## Bids and Proposals

**NAVAL SUPPLIES**—Bids are wanted on dates indicated by the bureau of supplies and accounts, Navy Department, Washington, for miscellaneous supplies for navy yards and stations: Sched. 4958, Norfolk, 1,000,000 lbs. white zinc oxide, and Mare Island, 120,500 lbs. do, opening of February 16. Sched. 4959, Philadelphia, 3,000 lbs. titanium-oxide pigment, and Norfolk, 36,000 lbs. do, opening of February 16. Sched. 4964, various yards, pitch, tar, turpentine and rosin, opening of February 16.

**STRYCHNINE**—The director of purchase and sales, Department of Agriculture, Washington, will open bids February 9 for 100 ozs. strychnine alkaloid, granular.

**STRYCHNINE**—The director of purchase and sales, Department of Agriculture, Washington, will open bids February 5 for 150 ozs. strychnine alkaloid.

**LINSEED OIL**—Bids are wanted February 4 by the post quartermaster, marine barracks, Parris Island, S. C., for 500 gals. raw linseed oil.

**AMMONIA**—Bids are wanted February 4 by the post quartermaster, marine barracks, Parris Island, S. C., for 1,500 lbs. anhydrous ammonia.

**BENZOL**—Bids are wanted February 5, cir. 18, by the chemical warfare service, Edgewood Arsenal, Md., for 1,320 gals. water white benzol.

## Bids and Proposals

**CHEMICALS**—The chemical warfare service, Edgewood Arsenal, Md., will open bids February 6, cir. 19, for 1,000 lbs. monochloroacetic acid and 7,200 lbs. aluminum chloride, anhydrous.

**AMMONIA**—Bids are wanted February 2, cir. 22, by the quartermaster, Fort Eustis, Va., 300 lbs. anhydrous ammonia.

**POLISH**—The quartermaster, Marine Corps, Washington, will open bids January 28, sched. 367, for 216 cans furniture polish.

**LIME AND SODA ASH**—The quartermaster, Marine Corps, Washington, will open bids January 30, sched. 366, for 18,300 lbs. hydrated lime and 7,500 lbs. soda ash.

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**CRUDE DRUGS**—Hamburg exporters, already introduced for many years in New York, want **AGENTS** for the Pacific Coast of U. S. A. and for all important places of Canada. We are well placed for all botanical drugs. Box 372 DRUG & CHEMICAL MARKETS.

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**THE PROCESS DIVISION** of the Atlantic Refining Company, located in Philadelphia, has several openings in organic research, and plant development work for chemists, chemical engineers and mechanical engineers of from one to three years' practical experience, not necessarily in petroleum. Graduate work will be considered as a substitute for practical experience. Applicants must be graduates of recognized technical colleges. Please tabulate reply, giving details as to age, marital state, nationality, education (schools attended and degrees obtained) experience—(names of concerns, type of work and reasons for leaving), references. We should appreciate receiving a snap shot or other photograph of the applicant, which will be returned if desired. Application should be typed if possible, and addressed to "Office Personnel Division, The Atlantic Refining Company, 260 South Broad Street, Philadelphia, Penna."

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